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ELEMENTORVM
ARCHITECTVRÆ
MILITARIS.

P A R S II.

In qua continentur

TABVLÆ SUPPVATÆ.

DELINEATIONVM.

ORTHOGRAPHICÆ.

ICHOGRAPHICÆ.

ET STEREOMETRICÆ.

Conatu

NICOLAI GOLDMANNI

Vratislaviensis Silesii.

*Bibliotheca
Collegii
Majoris
Universitatis*



Cracov.

Joannis Broscii
LVGD. BATAV.

Ex Officinâ Elzevirianâ.

c1o 10 c XLIII.

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AD COMPACTOREM.

TABULÆ ita sunt separandæ, ut quovis folio in quatuor partes diviso, quævis quarta duo folia in octavo, (ut vocant) repræsentet. Commodissimum autem erit, si Pars quæque sigillatim compingatur; ut & tabulæ cum textu, & figuræ cum tabulis, & textus cum figuris conferri queant.

LECTORI S.

In Tabula Ichnographica operum minorum, Fol. 10. in Castellis cum dimidiis propugnaculis, linea *ae* non est 16,000. sed textus numeri 22:627. substituendi sunt. Vale.

585186I, 2

SYNOPSIS LIBRI PRIMII.

Architectura militaris habet duas species, quarum	1. Geometrica, quæ distinguitur in	Præcognita, quæ concernunt vel	Delineationem, operum	Minororum, eorumque aut	Cum Defensione: nempe	Castellorū cum dim. propugn.	Inventio	absq; supput. Ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	Acutangul. Rectangul.	torius figuræ. Partis figuræ.	in campum translatio.	Circuli oblongi. I modi. invē- sio ex sup.	Pates	Delineatio.	Modi	Secundus. Tertius.	Inordinatum.	Figuræ applicatio Delineatio in campo.	Superficies, Orthographiam & Ichnographiam. Libro	Corpora ipsa.	de quibus Libro	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	III.	III.	IV.																																																																																																																																																																																																																																																																																																											
																																																												Defensionem	Vitiolam. Proposit.	Genuinam. Proposi.	Absque Defensione: Reductuum	Inventio	Absque supputatione. Ex supputatione.	Chartâ.	Campo	Stellarum	Inventio	absq; supput. Ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; supput. ex supput. in chartâ. in campo.	perfectio	absq; 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supput. ex supput. in chartâ. in



S Y N O P S I S L I B R I S E C V N D I.

Superficies considerantur vel	{	Theoricè	{	1. Orthogra- phia, in quâ consideratur	{	inventio	{	loricarum	{	per se ubi	{	ipſarum conſtructio. Propoſitione.	1.
										areæ ſupputatio. Propoſitione	2.		
										Cum aliquot ſcabellis. Propoſitione	3.		
											Repletis propugnaculis.	4.	
											Cavis propugnaculis.	5.	
										Compoſitio	{	De inventione loricæ viæ coopertæ.	6.
												De foſſâ, viis, ac margine.	7.
												Abſque Defenſione, Redu- ctuum Ichnographica	{
										delineatio.	9.		
										Stellarum	{		
		delineatio.	11.										
		Cum defen- ſione	{	Caſtell. cum	{	ſupputatio.	12.						
		dimid. prop.		delineatio.		13.							
		Regularium	{	Quadrant. & Dimi- diatorum quæ	{	ſupputantur.	14.						
				delineantur.		15.							
				Dodrantium & Regiorum		{	ſupputatio.	16.					
		delineatio.	17.										
		Irregularium: de quarum Ichnographiâ.	{		Abſque defenſione, Reductuum.		{		18.				
					19.								
				Stellarum.	{	Cum defenſione		{	Caſt. cum dimid. prop.	20.			
	21.												
Quadrantium & Dimidiator.	{	ſupputatio.	22.										
		Dodrantium & Regiorum.	23.										
		Practicè, quatenus explorantur certis instrumentis.	{	operum minorum	{	ſupputatio.	24.						
	25.												
Quadrantium & Dimidiator.	{					ſupputatio.	26.						
		Dodrantium & Regiorum.	27.										

THE FIRST BOOK OF SAMUEL

1	And Samuel was born to Elkanah of Ramathaim		
2	And he was a Levite of the tribe of Judah		
3	And his father Elkanah was a pious man		
4	And he had two wives: one name was Hannah		
5	And the other name was Peninnah		
6	And Peninnah had many children		
7	But Hannah was barren		
8	And she was in bitterness of soul		
9	And she wept sore		
10	And she would not eat		
11	For she said I have desired children		
12	But I have not borne them		
13	And she said I have desired children		
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97	And she said I have desired children		
98	But I have not borne them		
99	And she said I have desired children		
100	But I have not borne them		

SYNOPSIS LIBRI TERTII.

Liber tertius agit	{	proprie de	{	Stereometria, cujus	{	fundamenta consistunt in	{	contemplatione	Solidorum quadrangulorum, Propositione	1.						
									{	proportionalit.	Solidorum Triangulorum { sectione	2.				
											Solidorum Triangulorum { supputatione	3.				
											Solidorum Triangulorum exteriorum.	4.				
											Solidorum Triangulorum interiorum.	5.				
											{ absque defensione, Reductibus.	6.				
											{	parvis operibus	Cum defensione { Stellis.	7.		
													Cum defensione { Cast. cum dim. prop.	8.		
													{	majoribus	Quadrantalibus & dimidiatis.	9.
															Dodrantalibus & Regiis.	10.
	11.															
{	in specie proportionalitas, latitudine	Sectione, in genere.	12.													
		retentâ in { superioribus.	13.													
		retentâ in { inferioribus.	14.													
		mutatâ { superiorum	15.													
		mutatâ { inferiorum	16.													
		{	Operibus minoribus.	Quadr. & dim.	17.											
				{	operibus majoribus	Castell. { Dodr. & Reg.	18.									
						Munimentis.	19.									
							20.									
						{	per accidens, constructiones	exterioribus { pontis pensilis.	21.							
exterioribus { aliorum adjunctor.	22.															
interiores, domus excubiar.	23.															
Soliditatis communis repetitio.	24.															
Soliditatis ad mensuras reductio.	25.															
Indicatio sumptuum.	26.															
Conjectura { temporis.	27.															
Conjectura { operariorum.	28.															
{	Dispositio, ut terra sufficiat, idque absque supput.	absque defens. Reductibus.	29.													
		in operibus minoribus usq; vel	30.													
		câ de Stellis.	31.													
		Cast. cum dim. prop.	32.													
		Quadrantalibus & Dimid.	33.													
		Dodrantalibus & Regiis.	34.													
			35.													
			36.													
		{	Scriographiâ, eâque vel Accuratio, ex Prospectiva.		37.											
				extra ordinem de Arcibus extruendis & urbibus adjungendis												



SYNOPSIS

LIBRI QVARTI.

Liber Quartus habet	Ipsa Præcepta	Defensionis, ubi de	Operibus per se	Delineationibus	Regularibus, ubi	Separatim de	Regils	Castellis, ubi	invento requisitorum.	1.																																																													
										Irregularibus, de quibus	Coniunctim, de Regularibus figuris in campo.	Minoribus: de quibus tractatur.	Regulæ præscribuntur.	Exempla commonstrantur.	Orthographiæ.	Ichnographiæ.	Munimentis, ubi	figura	Constructio.	2.																																																			
																				Planorum consideratione, ut	foliis, de	majoribus, operibus	Coniunctis: operis cornuti, parmulae & operis coronati.	21.	22.	23.	24.	25.	26.																																										
																														Generalia, obsidionis dispositio.	Obidentes	Circumvallatio	Theoria	Castrametatio, quo modo castra	dispon.	separatim	pedite.	equitatu.	27.																																
																																								Specialia quoad	Praxis, quomodo obsidio in chartam transferenda sit.	per se consideratas.	& Opera intermixta.	30.	31.	32.	33.	34.																							
																																																	Expugnatio, cuius adjumenta	Suggestus.	appropinquatio per	Accessus.	Vineam.																		
																																																						Obsessos, obsessorum refugia.																	
																																																							in campo	quoad angulos	Recti anguli constructio	ex puncto.	3.	4.	5.	6.									
																																																															in chartâ, figuræ regularis constructio.	quoad triangula delineanda	æquilatera. pr.	alia quævis.	7.	8.	9.	10.	11.
Planorum consideratione, ut	Regulæ præscribuntur.	Exempla commonstrantur.	Orthographiæ.	Ichnographiæ.	17.	18.	19.	20.																																																															
									Operibus exterioribus	foliis, de	majoribus, operibus	Coniunctis: operis cornuti, parmulae & operis coronati.	21.	22.	23.	24.	25.																																																						
																		Generalia, obsidionis dispositio.	Obidentes	Circumvallatio	Theoria	Castrametatio, quo modo castra	dispon.	separatim	pedite.	equitatu.	27.																																												
																												Specialia quoad	Praxis, quomodo obsidio in chartam transferenda sit.	per se consideratas.	& Opera intermixta.	30.	31.	32.	33.	34.																																			
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																																										Obsessos, obsessorum refugia.																													



TABVLA REDVCTVVM. Fig. N^o 5.

	Minimi.	Parvi.	Mediocris.	Magni.
Angulus Centri BAC.	90. Grad.	90. Grad.	90. Grad.	90. Grad.
Angulus Figuræ BCE.	90. Grad.	90. Grad.	90. Grad.	90. Grad.
Latus BC, CE.	48: 000.	71: 000.	96: 000.	120: 000.
Radius AB, AC.	33: 941.	50: 912.	67: 883.	84: 853.
Diagonalis BE.	67: 882.	101: 824.	135: 766.	169: 706.

TABVLA STELLARVM. Fig. N^o 9.

	Quadrangula.	Quinquangula.	Sexangula.
Angulus Centri CAD.	90. Grad.	72. Grad.	60. Grad.
Angulus Figuræ BCD.	90. Grad.	108. Grad.	120. Grad.
Angulus Defensionis minor, FCG.	15. Grad.	15. Grad.	15. Grad.
Angulus Defensionis major, CFD.	150. Grad.	150. Grad.	150. Grad.
Angulus Defensus HCF.	60. Grad.	78. Grad.	90. Grad.
Semisus anguli Defensionis majoris, CFG.	75. Grad.	75. Grad.	75. Grad.
Radius AC.	70: 710.	85: 065.	100: 000.
Latus CD.	100: 000.	100: 000.	100: 000.
Perpendicularis major AG.	50: 000.	68: 819.	86: 602.
Perpendicularis minor FG.	13: 397.	13: 397.	13: 397.
Radius minor AF.	36: 603.	55: 422.	73: 205.
Facies FC.	51: 764.	51: 764.	51: 764.

TABVLA CASTELLORVM CVM DIMIDIIS PROPVGNACVLIS. Fig. N^o 11.

	Parvorum.	Mediocrium.	Majorum.
Angulus Centri BAC.	90. Grad.	90. Grad.	90. Grad.
Angulus figuræ BCE.	90. Grad.	90. Grad.	90. Grad.
Angulus Defensionis HGF.	30. Grad.	30. Grad.	30. Grad.
Angulus Propugnaculi HIC.	60. Grad.	60. Grad.	60. Grad.
Angulus Faciei & Alæ FHI.	120. Grad.	120. Grad.	120. Grad.
Radius AB, AC.	84: 853.	106: 066.	127: 280.
Latus BC.	120: 000.	150: 000.	180: 000.
Linea Colli F C: itrem BG & GF.	40: 000.	50: 000.	60: 000.
Prolongatio lateris IC. Facies III. Linea string. GH.	46: 188.	57: 735.	69: 282.
Ala HF.	23: 094.	28: 867.	34: 641.
Linea Defendens GL.	92: 376.	115: 470.	138: 564.
Paras Defendens KG.	86: 188.	107: 735.	129: 282.



CASTELLA			QVADRANTALIA.			DIMIDIATA.		
			Quadrang. Quinquan. Sexangulū.			Quadrang. Quinquan. Sexangul.		
Angulus Centri K L O.	90 Grad.	72 Grad.	60 Grad.	90 Grad.	72 Grad.	60 Grad.		
Angulus Figuræ I K O.	90 Grad.	108 Grad.	120 Grad.	90 Grad.	108 Grad.	120 Grad.		
Angulus Propugnaculi C H R.	60 Grad.	69 Grad.	75 Grad.	60 Grad.	69 Grad.	75 Grad.		
Ang. Defensionis minor CHG.	15 Grad.	19 Gr. 30 M.	22 Gr. 30 M.	15 Grad.	19 Gr. 30 M.	22 Gr. 30 M.		
Ang. Stringentis & Alæ A C F.	75 Grad.	70 Gr. 30 M.	67 Gr. 30 M.	75 Grad.	70 Gr. 30 M.	67 Gr. 30 M.		
Ang. Faciei & Alæ H C A.	105 Grad.	109 Gr. 30 M.	112 Gr. 30 M.	105 Grad.	109 Gr. 30 M.	112 Gr. 30 M.		
Ang. Capitalis & Colli H K A.	135 Grad.	126 Grad.	120 Grad.	135 Grad.	126 Grad.	120 Grad.		
Radius minor. L K, L O.	123: 639.	148: 823.	178: 371.	247: 279.	297: 646.	356: 743.		
Latus interior. K O.	174: 853.	174: 951.	178: 371.	349: 706.	349: 902.	356: 743.		
Linea Colli K A, O B.	27: 426.	27: 475.	29: 186.	54: 853.	54: 951.	58: 371.		
Ala. A C, B D.	15: 000.	20: 000.	22: 500.	30: 000.	40: 000.	45: 000.		
Facies H C, D P.	60: 000.	60: 000.	60: 000.	120: 000.	120: 000.	120: 000.		
Dimidium Latus interior KM.	87: 426.	87: 475.	89: 186.	174: 853.	174: 951.	178: 371.		
Radius exterior L H, L P.	166: 814.	198: 301.	230: 865.	333: 628.	396: 602.	461: 731.		
Capitalis H K, O P.	43: 175.	49: 478.	52: 494.	86: 349.	98: 955.	104: 988.		
Chorda A B.	120: 000.	120: 000.	120: 000.	240: 000.	240: 000.	240: 000.		
Ala Chordæ F B, E A.	64: 019.	63: 522.	65: 680.	128: 038.	127: 043.	131: 360.		
Frons. H G, P Q.	57: 956.	56: 558.	55: 433.	115: 911.	113: 117.	110: 865.		
Latus exterior H P.	235: 911.	233: 117.	230: 865.	471: 823.	466: 234.	461: 731.		
Partes Chordæ A F, E B.	55: 981.	56: 478.	54: 320.	111: 961.	112: 956.	108: 639.		
Linea Stringens C F, E D.	57: 955.	59: 915.	58: 795.	115: 911.	119: 829.	117: 591.		
Prolongatio Alæ C G, D Q.	15: 529.	20: 028.	22: 961.	31: 058.	40: 057.	45: 921.		
Ala prolongata A G, B Q.	30: 529.	40: 028.	45: 461.	61: 058.	80: 057.	90: 921.		
Perpendicularis interior L M.	87: 426.	120: 400.	154: 474.	174: 853.	240: 800.	308: 949.		
Perpendicularis exterior L N.	117: 956.	160: 429.	199: 935.	235: 911.	320: 857.	399: 870.		
Delectio stringens. I I F.	117: 955.	119: 915.	118: 975.	235: 911.	239: 829.	237: 591.		
Delectio confians. H B.	180: 555.	181: 039.	181: 227.	361: 111.	362: 078.	362: 454.		



CASTELLA.			DODRANTALIA.			REGIA.		
Quadrang.			Quinquan.			Sexangulū. Quadrang.		
Quinquan.			Sexangulū.			Quinquan.		
Sexangulū.			Quadrang.			Quinquan.		
Quadrang.			Quinquan.			Sexangulū.		
Angulus Centri KLO.	90 Grad.	72 Grad.	60 Grad.	90 Grad.	72 Grad.	60 Grad.	90 Grad.	72 Grad.
Angulus Figuræ I K O.	90 Grad.	108 Grad.	120 Grad.	90 Grad.	108 Grad.	120 Grad.	90 Grad.	108 Grad.
Angulus Propugnaculi CHR.	60 Grad.	69 Grad.	75 Grad.	60 Grad.	69 Grad.	75 Grad.	60 Grad.	69 Grad.
Ang. Defensionis minor CHG.	15 Grad.	19 Gr. 30 M.	22 Gr. 30 M.	15 Grad.	19 Gr. 30 M.	22 Gr. 30 M.	15 Grad.	19 Gr. 30 M.
Ang. Stringentis & Alæ ACF.	75 Grad.	70 Gr. 30 M.	67 Gr. 30 M.	75 Grad.	70 Gr. 30 M.	67 Gr. 30 M.	75 Grad.	70 Gr. 30 M.
Ang. Faciei & Alæ H C A.	105 Grad.	109 Gr. 30 M.	112 Gr. 30 M.	105 Grad.	109 Gr. 30 M.	112 Gr. 30 M.	105 Grad.	109 Gr. 30 M.
Ang. Capitalis & Colli H K A.	135 Grad.	126 Grad.	120 Grad.	135 Grad.	126 Grad.	120 Grad.	135 Grad.	126 Grad.
Radius minor L K, L O.	370: 918.	446: 470.	535: 114.	494: 558.	595: 293.	713: 486.	370: 918.	446: 470.
Latus interius K O.	524: 559.	524: 853.	535: 114.	699: 412.	699: 804.	713: 486.	524: 559.	524: 853.
Linea Colli K A, O B.	82: 279.	82: 426.	87: 557.	109: 706.	109: 902.	116: 743.	82: 279.	82: 426.
Ala. A C, B D.	45: 000.	60: 000.	67: 500.	60: 000.	80: 000.	90: 000.	45: 000.	60: 000.
Facies H C, D P.	180: 000.	180: 000.	180: 000.	240: 000.	240: 000.	240: 000.	180: 000.	180: 000.
Dimid. latus inter. K M.	262: 279.	262: 426.	267: 557.	349: 706.	349: 902.	356: 743.	262: 279.	262: 426.
Radius exterior L H, L P.	500: 443.	594: 903.	692: 596.	667: 257.	793: 204.	923: 462.	500: 443.	594: 903.
Capitalis K H, O P.	129: 524.	148: 433.	157: 482.	172: 699.	197: 911.	209: 976.	129: 524.	148: 433.
Chorda A B.	360: 000.	360: 000.	360: 000.	480: 000.	480: 000.	480: 000.	360: 000.	360: 000.
Ala Chordæ F B, E A.	192: 058.	190: 565.	197: 041.	256: 077.	254: 087.	262: 721.	192: 058.	190: 565.
Frons H G, P Q.	173: 867.	169: 675.	166: 298.	231: 823.	226: 234.	221: 731.	173: 867.	169: 675.
Latus exterior H P.	707: 734.	699: 351.	692: 596.	943: 646.	932: 468.	923: 462.	707: 734.	699: 351.
Pars Chordæ A F, E B.	167: 942.	169: 435.	162: 960.	223: 923.	225: 913.	217: 279.	167: 942.	169: 435.
Linea stringens C F, E D.	173: 866.	179: 744.	176: 386.	231: 822.	239: 659.	235: 182.	173: 866.	179: 744.
Prolongatio Alæ C G, D Q.	46: 588.	60: 085.	68: 882.	62: 117.	80: 114.	91: 843.	46: 588.	60: 085.
Ala prolongata A G, B Q.	91: 588.	120: 085.	136: 382.	122: 117.	160: 114.	181: 843.	91: 588.	120: 085.
Perpendicularis interior L M.	262: 279.	361: 201.	463: 423.	349: 706.	481: 601.	617: 898.	262: 279.	361: 201.
Perpendicularis exterior L N.	353: 867.	481: 286.	599: 806.	471: 823.	641: 715.	799: 741.	353: 867.	481: 286.
Defensio stringens H F.	353: 866.	359: 744.	356: 386.	471: 822.	479: 659.	475: 182.	353: 866.	359: 744.
Defensio confans H B.	541: 666.	543: 118.	543: 682.	722: 222.	724: 157.	724: 909.	541: 666.	543: 118.



MVNIMENTA CVM PROPVGNACVLIS ACVTANGVLIS.

	Sexangul.	Septangul.	Octangulū.	Nonangul.	Decangul.	Vndecang.
Angulus Centri K L O.	60.	51.25.43.	45.	40.	36.	32.43.38.
Angulus Figuræ I K O.	120.	128.34.17.	135.	140.	144.	147.16.22.
Angulus Propugnaculi C H R.	75.	79.17.9.	82.30.	85.	87.	88.38.11.
Ang. Defensionis minor CHG.	22.30.	24.38.34.	26.15.	27.30.	28.30.	29.19.5.
Ang. Stringentis & Alæ A C F	67.30.	65.21.26.	63.45.	62.30.	61.30.	60.40.55.
Ang. Faciet & Alæ H C A.	112.30.	114.38.34.	116.15.	117.30.	118.30.	119.19.5.
Ang. Capitalis & Colli H K A	120.	115.42.51.	112.30.	110.	108.	106.21.49.
Radius minor. L K, L O.	713:486.	833:858.	955:661.	1078:508.	1212:607.	1347:085.
Latus interius. K O.	713:486.	723:586.	731:446.	737:740.	749:434.	759:042.
Linea Colli K A, O B.	116:743.	121:793.	125:713.	128:870.	134:717.	139:521.
Ala. A C, B D.	90:000.	100:000.	110:000.	120:000.	120:000.	120:000.
Facies H C, D P.	240:000.	240:000.	240:000.	240:000.	240:000.	240:000.
Dimidium Latus interius K M.	356:743.	361:793.	365:713.	368:870.	374:717.	379:521.
Radius exterior L H, L P.	923:462.	1055:914.	1189:625.	1324:136.	1459:199.	1594:628.
Capitalis H K, O P.	209:976.	222:056.	233:964.	245:628.	246:592.	247:543.
Chorda A B.	480:000.	480:000.	480:000.	480:000.	480:000.	480:000.
Ala Chordæ F B, E A.	262:721.	262:011.	256:942.	249:482.	258:988.	266:321.
Frons. H G, P Q.	221:731.	218:143.	215:249.	212:882.	210:917.	209:258.
Latus exterior H P.	923:462.	916:286.	910:498.	905:764.	901:834.	898:516.
Pars Chordæ A F, E B.	217:279.	217:989.	223:058.	230:518.	221:012.	213:679.
Linea stringens C F, E D.	235:182.	239:831.	248:707.	259:882.	251:489.	245:069.
Prolongatio Alæ C G, D Q.	91:843.	100:070.	106:150.	110:820.	114:518.	117:518.
Ala prolongata A G, B Q.	181:843.	200:070.	216:150.	230:820.	234:518.	237:518.
Perpendicularis interior L M.	617:898.	751:278.	882:917.	1013:464.	1153:260.	1292:515.
Perpendicularis exterior L N.	799:741.	951:348.	1099:067.	1244:284.	1387:778.	1530:033.
Defensio stringens. H F.	475:182.	479:831.	488:707.	499:882.	491:489.	485:069.
Defensio confians. H B.	724:909.	726:245.	728:074.	730:317.	729:633.	729:035.



MVNIMENTA CVM PROPGNACVLIS RECTANGVLIS.

	Duodecang.		Tredecang.		Quatuord.		Quindecang.		Sedecang.		Septendec.	
Angulus Centri KLO.	30.	27.41.32.	25.42.51.	24.	22.30.	21.10.35.						
Angulus Figuræ I KO.	150.	152.18.28.	154.17.9.	156.	157.30.	158.49.25.						
Angulus Propugnaculi CHR.	90.	90.	90.	90.	90.	90.						
Ang. Defensionis minor CHG.	30.	31.9. 14.	32.8. 34.	33.	33.45.	34.24.42.						
Ang. Stringentis & Alæ ACF.	60.	58.50.46.	57.51.26.	57.	56.15.	55.35.18.						
Ang. Faciei & Alæ HCA.	120.	121.9. 14.	122.8. 34.	123.	123.45.	124.24.42.						
Ang. Capitalis & Colli HKA.	105.	105.50.46.	102.51.26.	102.	101.15.	100.35.18.						
Radius minor LK, LO.	1481:886.	1609:625.	1737:717.	1866:128.	1994:772.	2123:595.						
Latus interius KO.	767:080.	770:422.	773:342.	775:992.	778:312.	780:410.						
Linea Colli KA, OB.	143:540.	145:211.	146:671.	147:996.	149:156.	150:205.						
Ala. AC, BD.	120:000.	120:000.	120:000.	120:000.	120:000.	120:000.						
Facies HC, DP.	240:000.	240:000.	240:000.	240:000.	240:000.	240:000.						
Dimid. latus inter. KM.	383:540.	385:211.	386:671.	387:996.	389:156.	390:205.						
Radius exterior LH, LP.	1730:346.	1861:094.	1991:768.	2122:442.	2253:074.	2383:657.						
Capitalis KH, OP.	248:460.	251:469.	254:051.	256:314.	258:302.	260:062.						
Chorda AB.	480:000.	480:000.	480:000.	480:000.	480:000.	480:000.						
Ala Chordæ FB, EA.	272:154.	281:496.	289:020.	295:217.	300:407.	304:820.						
Frons HG, PQ.	207:847.	205:387.	203:213.	201:181.	199:553.	198:000.						
Latus exterius HP.	895:694.	890:774.	886:426.	882:562.	879:106.	876:000.						
Pars Chordæ AF, EB.	207:846.	198:504.	190:980.	184:783.	179:593.	175:180.						
Linea itringens CF, ED.	240:000.	231:956.	225:551.	220:330.	215:994.	212:339.						
Prolongatio Alæ CG, DQ.	120:000.	124:162.	127:687.	130:714.	133:337.	135:631.						
Ala prolongata AG, BQ.	240:000.	244:162.	247:687.	250:714.	253:337.	255:631.						
Perpendicularis interior LM.	1431:387.	1562:847.	1694:144.	1825:350.	1956:445.	2087:441.						
Perpendicularis exterior LN.	1671:387.	1807:011.	1941:831.	2076:064.	2209:782.	2343:072.						
Defensio itringens HF.	480:000.	471:956.	465:551.	460:330.	455:994.	452:339.						
Defensio continens HB.	728:515.	727:578.	726:725.	725:949.	725:239.	724:590.						



MVNIMENTA CVM PROPVGNACVLIS RECTANGVLIS.

	Octodecan.	Vig. quadr.	Trigintang.	Trig. sexan.	Quad. oct.	Sexagint.
Angulus Centri K L O.	20.	15.	12.	10.	7.30.	6.
Angulus Figuræ I K O.	160.	165.	168.	170.	172.30.	174.
Angulus Propugn. CHR.	90.	90.	90.	90.	90.	90.
Ang. Defensionis min. C H G.	35.	37.30.	39.	40.	41.15.	42.
Ang. Stringentis & Alæ. ACE.	55.	52.30.	51.	50.	48.45.	48.
Ang. Faciei & Alæ H C A.	125.	127.30.	129.	130.	131.15.	132.
Ang. Capitalis & Colli H K A.	100.	97.30.	96.	95.	93.45.	93.
Radius minor I K, L O.	2252: 629.	3029: 056.	3807: 856.	4587: 816.	6149: 654.	7712: 632.
Latus interius K O.	782: 340.	790: 726.	796: 026.	799: 722.	804: 368.	807: 332.
Linea Colli K A, O B.	151: 170.	155: 363.	158: 013.	159: 861.	162: 184.	163: 666.
Ala AC, B D.	120: 000.	120: 000.	120: 000.	120: 000.	120: 000.	120: 000.
Facies H C, D P.	240: 000.	240: 000.	240: 000.	240: 000.	240: 000.	240: 000.
Dimidium latus interius K M.	391: 170.	395: 363.	398: 013.	399: 861.	402: 184.	403: 666.
Radius exterior L H, L P.	2514: 256.	3297: 454.	4080: 380.	4863: 132.	6428: 470.	7993: 614.
Capitalis K H, O P.	261: 627.	268: 398.	272: 524.	275: 316.	278: 816.	280: 992.
Chorda A B.	480: 000.	480: 000.	480: 000.	480: 000.	480: 000.	480: 000.
Ala Chordæ F B, E A.	308: 622.	323: 612.	331: 812.	336: 990.	343: 166.	346: 727.
Frons H G, P Q.	196: 596.	190: 404.	186: 516.	183: 850.	180: 442.	178: 354.
Latus exterius H P.	873: 192.	860: 808.	853: 032.	847: 700.	840: 884.	836: 708.
Pars Chordæ A F, E B.	171: 378.	156: 388.	148: 188.	143: 010.	136: 834.	133: 273.
Linea stringens C F, E D.	209: 214.	197: 122.	190: 682.	186: 686.	181: 998.	179: 338.
Prolongatio Alæ C G, D Q.	137: 659.	146: 102.	151: 037.	154: 270.	158: 244.	160: 591.
Ala Prolongata A G, B Q.	257: 659.	266: 102.	271: 037.	274: 270.	278: 244.	280: 591.
Perpendicularis interior L M.	2218: 399.	3003: 139.	3786: 990.	4570: 357.	6136: 461.	7702: 080.
Perpendicularis exterior L N.	2476: 058.	3269: 241.	4058: 027.	4844: 627.	6414: 705.	7982: 671.
Defensio stringens I I F.	449: 214.	437: 122.	430: 682.	426: 686.	421: 998.	419: 338.
Defensio constans H B.	723: 996.	721: 285.	719: 517.	718: 276.	716: 661.	715: 654.



CIRCVLORVM OBLONGORVM ordo & compositio.	Numerus Pro- pugnaculorum				Lineæ, AB, AC, AD, CB, & DB.
	totius figuræ.	ex minori fi- gura.	ex minori fi- gura.	ex majori fi- gura.	
1. Ex Nonangulo & Duodecangulo.	10.	6.	4.	417: 923.	
2. Ex Nonangulo & Octodecangulo.	12.	6.	6.	1204: 935.	
3. Ex Nonangulo & Viginti quadrangulo.	14.	6.	8.	1989: 675.	
4. Ex Nonangulo & Trigintangulo.	16.	6.	10.	2773: 526.	
5. Ex Nonangulo & Triginta sexangulo.	18.	6.	12.	3556: 893.	
6. Ex Nonangulo & Quadraginta octangulo.	22.	6.	16.	5122: 997.	
7. Ex Nonangulo & Sexagintangulo.	26.	6.	20.	6688: 616.	
8. Ex Duodecangulo & Octodecangulo.	14.	8.	6.	787: 012.	
9. Ex Duodecangulo & Viginti quadrangulo.	16.	8.	8.	1571: 752.	
10. Ex Duodecangulo & Trigintangulo.	18.	8.	10.	2355: 603.	
11. Ex Duodecangulo & Triginta sexangulo.	20.	8.	12.	3138: 970.	
12. Ex Duodecangulo & Quadraginta octangulo.	24.	8.	16.	4705: 074.	
13. Ex Duodecangulo & Sexagintangulo.	28.	8.	20.	6270: 693.	
14. Ex Octodecangulo & Viginti quadrangulo.	20.	12.	8.	784: 740.	
15. Ex Octodecangulo & Trigintangulo.	22.	12.	10.	1558: 591.	
16. Ex Octodecangulo & Triginta sexangulo.	24.	12.	12.	2351: 958.	
17. Ex Octodecangulo & Quadraginta octangulo.	28.	12.	16.	3918: 062.	
18. Ex Octodecangulo & Sexagintangulo.	32.	12.	20.	5483: 681.	
19. Ex Viginti quadrangulo & Trigintangulo.	26.	16.	10.	783: 851.	
20. Ex Viginti quadrangulo & Triginta sexangulo.	28.	16.	12.	1567: 218.	
21. Ex Viginti quadrangulo & Quadraginta octangulo.	32.	16.	16.	3133: 322.	
22. Ex Viginti quadrangulo & Sexagintangulo.	36.	16.	20.	4698: 941.	
23. Ex Trigintangulo & Triginta sexangulo.	32.	20.	12.	783: 367.	
24. Ex Trigintangulo & Quadraginta octangulo.	36.	20.	16.	2349: 471.	
25. Ex Trigintangulo & Sexagintangulo.	40.	20.	20.	3915: 090.	
26. Ex Triginta sexangulo & Quadraginta octang.	40.	24.	16.	1566: 104.	
27. Ex Triginta sexangulo & Sexagintangulo.	44.	24.	20.	3131: 723.	
28. Ex Quadraginta octangulo & Sexagintangulo.	52.	32.	20.	1565: 619.	



PROPVGNACULA PLANA.

	Primus mod.	Secund. mod.	Tertius mod.
Anguli Figuræ.	180.	180.	180.
Angulus Propugnaculi R H C.	90.	90.	90.
Angulus Defensionis minor C H G, item A C F.	45.	45.	45.
Angulus Faciei & Alæ, H C A.	135.	135.	135.
Angulus Capitalis & Colli, H K A.	90.	90.	90.
Latus interior, & exterior K O, H P.	819:412.	819:412.	819:412.
Linea Colli AK, Frons H G, & Prolong. Alæ G C.	169:706.	169:706.	169:706.
Ala AC, & Pars Chordæ A F.	90:000.	110:000.	120:000.
Facies H C.	240:000.	240:000.	240:000.
Dimidium latus interior, & exterior K M, & H N.	409:706.	409:706.	409:709.
Linea Capitalis H K: & Ala prolongata A G.	259:706.	279:706.	289:706.
Chorda A B.	480:000.	480:000.	480:000.
Ala Chordæ F B.	390:000.	370:000.	360:000.
Linea stringens C F.	127:279.	155:563.	169:705.
Defensio stringens H F.	367:279.	395:563.	409:705.
Defensio constans H B.	699:689.	707:357.	711:370.



LORICÆ HORIZONTALES.

	Dodrant.	Cast. regio.	Muniment.
Triangul. A.	18,75.	18,75.	18,75.
Rectangul. B.	4:50,00.	4:50,00.	4:50,00.
Rectangul. C.	1:12,50.	1:12,50.	1:12,50.
Triangul. D.	1:68,75.	1:68,75.	1:68,75.
Rectangul. E.	39:37,50.	52:87,50.	93:37,50.
Triangul. F.	6:56,25.	8:81,25.	15:56,25.
Triangul. G.	5:06,25.	5:06,25.	5:06,25.
Area tota.	58:50,00.	74:25,00.	121:50,00.

LORICA REDVCTVVM. || LORICA STELLARVM.

Triangul. A.	18,75.	Triangul. A.	18,75.
Rectangul. B.	4:50,00.	Rectangul. B.	4:50,00.
Rectangul. C.	37,50.	Rectangul. C.	37,50.
Triangul. D.	18,75.	Triangul. D.	18,75.
		Rectangul. E.	9:00,00.
Rectangul. E.	9:00,00.	Rectangul. F.	75,00.
Rectangul. F.	2:25,00.	Triangul. G.	18,75.
Triangul. G.	1:68,75.	Rectangul. H.	13:50,00.
Rectangul. H.	28:50,00.	Rectangul. I.	3:37,50.
		Triangul. K.	1:68,75.
Triangul. I.	3:56,25.	Rectangul. L.	28:12,50.
Triangul. K.	9:00,00.	Triangul. M.	2:81,25.
Area tota.	59:25,00.	Triangul. N.	14:06,25.
		Area tota.	78:75,00.

VALLVM BISECTVM.

	Dim. prop.	Quadrant.	Dimidiat.
Triangul. A.	4:50,00.	10:12,50.	18:00,00.
Rectangul. B.	31:50,00.	50:62,50.	90:00,00.
Pars posterior.	36:00,00.	60:75,00.	108:00,00.
Rectangul. C.	75,00.	1:12,50.	1:50,00.
Triangul. D.	18,75.	18,75.	18,75.
Rectangul. E.	13:50,00.	18:00,00.	22:50,00.
Rectangul. F.	3:37,50.	4:50,00.	5:62,50.
Triangul. G.	1:68,75.	1:68,75.	1:68,75.
Rectangul. H.	18:00,00.	24:75,00.	60:37,50.
Triangul. I.	20:25,00.	2:06,25.	4:31,25.
Triangul. K.	63:50,00.	20:35,00.	27:56,25.
Pars anterior.	57:75,00.	72:56,25.	123:75,00.

VALLVM.

	Dodrantale.	Castell. region.	Munimentor.
Triang. A.	40:50,00.	72:00,00.	162:00,00.
Rectan. B.	148:50,00.	216:00,00.	486:00,00.
Rectan. C.	2:25,00.	3:00,00.	4:50,00.
Triang. D.	18,75.	18,75.	18,75.
Rectan. E.	31:50,00.	40:50,00.	58:50,00.
Rectan. F.	7:87,50.	10:12,50.	14:62,50.
Triang. G.	1:68,75.	1:68,75.	1:68,75.
Rectan. H.	118:12,50.	193:87,50.	466:87,50.
Triangu. I.	6:56,25.	8:81,25.	15:56,25.
Triang. K.	45:56,25.	68:06,25.	126:56,25.
Tota area.	402:75,00.	614:25,00.	1336:50,00.

LORICÆ VIÆ COOPERTÆ.

	Quadrantal.	Dimidiata.
Triangulum A.	1:68,75.	1:68,75.
Triangulum B.	79:31,25.	86:06,25.
Tota area.	81:00,00.	87:75,00.

LORICÆ VIÆ COOPERTÆ.

	Dodrantalis.	Regia & Munim.
Triangulum A.	18,75.	18,75.
Rectangulum B.	4:50,00.	4:50,00.
Rectangulum C.	1:12,50.	1:12,50.
Triangulum D.	1:68,75.	1:68,75.
Triangulum E.	231:00,00.	249:00,00.
Tota area.	238:50,00.	256:50,00.



ICHTNOGRAPHIA
REDUCTIVVM.

|| Minimi. | Parvi. | Medioc. | Magni.

DA.	21:213.	21:213.	21:213.	21:213.
DG.	4:243.	4:243.	4:243.	4:243.
GK.	11:314.	11:314.	11:314.	11:314.
DE.	15:000.	15:000.	15:000.	15:000.
EE, AB.	9:000.	21:000.	33:000.	45:000.
KM.	35:000.	47:000.	59:000.	71:000.
GI.	27:000.	39:000.	51:000.	63:000.

ICHTNOGRAPHIA
STELLARVM.

|| Quadran. | Quinquan. | Sexangul.

FA.	36:000.	28:602.	25:456.
FL.	6:000.	4:767.	4:243.
IN.	18:000.	14:301.	12:728.
CD.	18:635.	18:635.	18:635.
CM.	3:106.	3:106.	3:106.
MP.	9:318.	9:318.	9:318.
FG.	31:177.	22:228.	18:000.
GH, AB.	20:587.	29:536.	33:764.
BD.	4:823.	4:823.	4:823.
AD.	25:410.	34:359.	38:587.
NP.	69:352.	63:367.	60:548.
IM.	56:156.	54:665.	53:960.

ICHTNOGRAPHIA CASTELLORVM CVM
DIMIDIIS PRDPVGNACVLIS

|| Parva. | Mediocria. | Magna.

IE.	21:000.	21:000.	21:000.
IO.	6:000.	6:000.	6:000.
OS.	32:000.	32:000.	32:000.
HT.	12:124.	12:124.	12:124.
Hi.	3:464.	3:464.	3:464.
im.	18:475.	18:475.	18:475.
FK.	14:849.	14:849.	14:849.
Fa.	4:243.	4:243.	4:243.
ae.	16:000.	16:000.	16:000.
NQ.	19:092.	19:092.	19:092.
IW, IV.	18:187.	18:187.	18:187.
WX, ET.	21:939.	33:486.	45:033.
XH, HY.	6:062.	6:062.	6:062.
YE, TG.	17:032.	22:805.	28:579.
GK, KL.	10:500.	10:500.	10:500.
FB, LM.	20:000.	25:000.	30:000.
VA, ED.	88:001.	114:548.	141:095.
OM, QS, PD, QR.	36:000.	51:000.	66:000.
NO, NP.	13:500.	13:500.	13:500.
EN.	38:501.	50:048.	61:595.
TK.	27:532.	33:305.	39:079.
NK.	19:000.	29:000.	39:000.
fm.	90:067.	101:614.	113:161.
oi.	53:116.	64:663.	76:210.
me.	15:064.	20:837.	26:611.
ia.	21:826.	27:599.	33:375.
ef.	1:000.	6:000.	11:000.
ac, bB.	17:000.	22:000.	27:000.
ow.	111:384.	137:931.	164:478.
fu.	139:097.	165:644.	192:191.
QZ, zy, xy, Qx.	6:000.	6:000.	6:000.

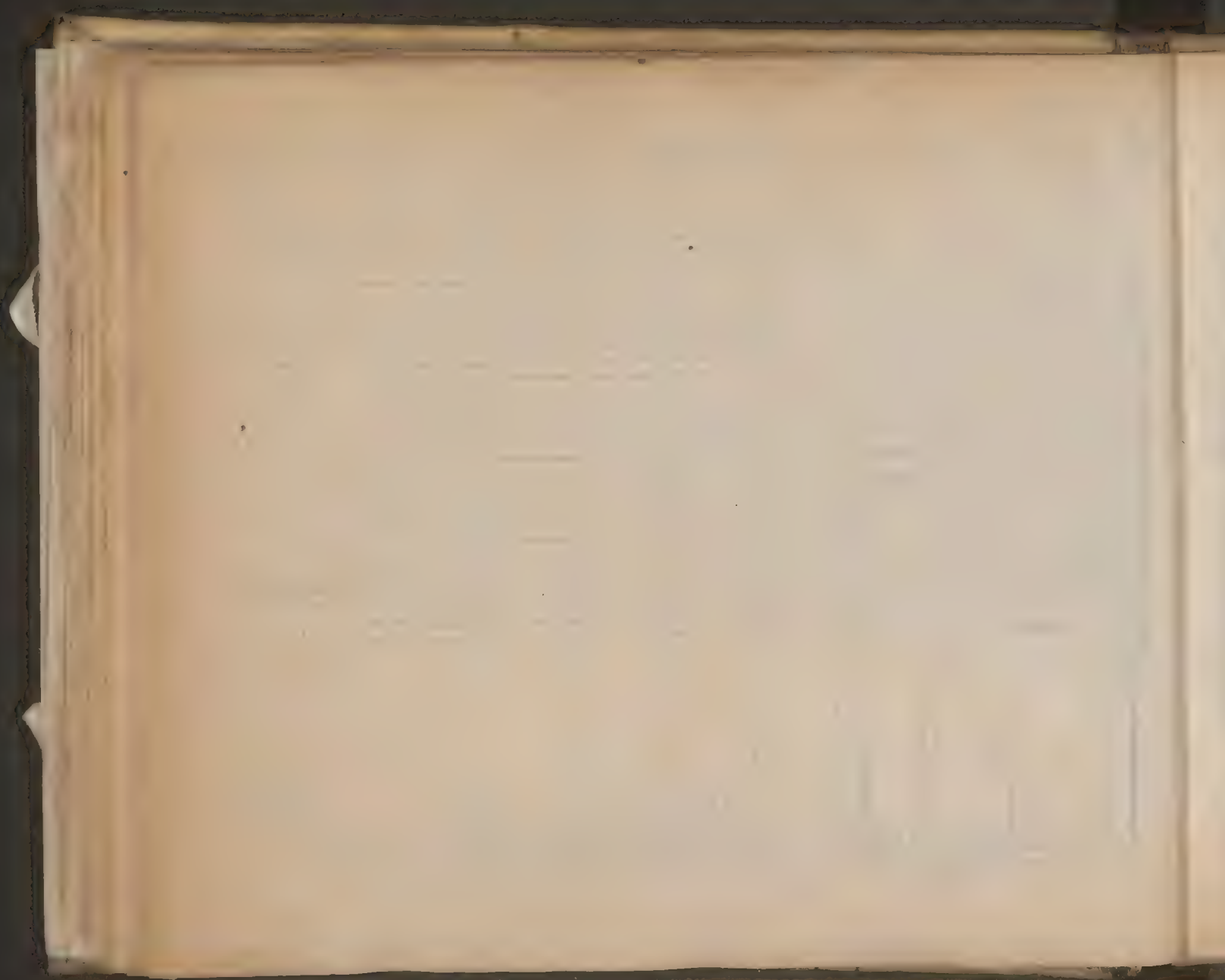
CASTELLA.	I			II			DIMIDIATA.		
	Quadrang.	Quinquang.	Sexangulii.	Quadrang.	Quinquang.	Sexangulii.	Quadrang.	Quinquang.	Sexangulii.
H.D.	22:500.	19:862.	18:480.	30:000.	26:483.	24:640.	30:000.	26:483.	24:640.
Hb.	6:000.	5:297.	4:928.	8:000.	7:062.	6:171.	8:000.	7:062.	6:171.
bq.	54:000.	47:669.	44:352.	76:000.	62:422.	61:422.	76:000.	62:422.	61:422.
qx.	12:000.	10:593.	9:856.	14:000.	12:359.	11:499.	14:000.	12:359.	11:499.
x dd.	6:000.	5:297.	4:928.	6:000.	5:297.	4:928.	6:000.	5:297.	4:928.
ddkk.	72:000.	63:559.	59:136.	78:000.	68:855.	64:065.	78:000.	68:855.	64:065.
CG.	14:180.	13:776.	13:530.	18:907.	18:368.	18:040.	18:907.	18:368.	18:040.
Ce.	3:781.	3:674.	3:608.	5:042.	4:898.	4:811.	5:042.	4:898.	4:811.
AO.	15:910.	15:910.	15:910.	21:213.	21:213.	21:213.	21:213.	21:213.	21:213.
AI.	4:243.	4:243.	4:243.	5:657.	5:657.	5:657.	5:657.	5:657.	5:657.
KL.	15:910.	13:906.	12:990.	21:213.	18:541.	17:320.	21:213.	18:541.	17:320.
LS.	22:274.	19:468.	18:187.	29:698.	25:957.	24:249.	29:698.	25:957.	24:249.
ST.	4:500.	3:269.	2:598.	6:000.	4:359.	3:464.	6:000.	4:359.	3:464.
TW, VX.	9:000.	9:000.	9:000.	12:000.	12:000.	12:000.	12:000.	12:000.	12:000.
lm, gl.	3:000.	8:000.	10:500.	5:000.	15:000.	20:000.	5:000.	15:000.	20:000.
mva, p, nt, br.	27:000.	27:000.	27:000.	38:300.	38:000.	38:000.	38:300.	38:000.	38:000.
wcc.	6:000.	6:000.	6:000.	7:000.	7:000.	7:000.	7:000.	7:000.	7:000.
cc il.	3:000.	3:000.	3:000.	3:000.	3:000.	3:000.	3:000.	3:000.	3:000.
il, oo.	36:000.	36:000.	36:000.	39:000.	39:000.	39:000.	39:000.	39:000.	39:000.
rw.	11:265.	20:959.	25:061.	21:170.	41:185.	51:289.	21:170.	41:185.	51:289.
a acc.	10:475.	20:444.	23:868.	20:248.	41:154.	49:897.	20:248.	41:154.	49:897.
gg il.	10:080.	19:413.	23:871.	19:853.	40:639.	49:300.	19:853.	40:639.	49:300.
nn oo, hh, ii.	5:341.	13:227.	16:110.	14:719.	33:938.	41:543.	14:719.	33:938.	41:543.
HB.	19:486.	16:369.	14:861.	25:981.	21:825.	19:548.	25:981.	21:825.	19:548.
BE, DG.	3:1882.	35:680.	37:822.	82:509.	87:574.	90:429.	82:509.	87:574.	90:429.
EC, CR.	8:632.	7:951.	7:517.	11:510.	10:601.	10:023.	11:510.	10:601.	10:023.
RA, GN.	6:368.	12:049.	14:983.	18:490.	29:399.	34:977.	18:490.	29:399.	34:977.
NO, OP, IL.	11:250.	11:250.	11:250.	15:000.	15:000.	15:000.	15:000.	15:000.	15:000.
AM, Pa.	60:000.	60:000.	60:000.	120:000.	120:000.	120:000.	120:000.	120:000.	120:000.
DE.	17:905.	24:407.	26:985.	48:800.	59:726.	63:744.	48:800.	59:726.	63:744.
FK.	10:337.	16:775.	20:706.	28:174.	41:049.	48:913.	28:174.	41:049.	48:913.
kM, gm, il.	57:000.	57:000.	57:000.	116:000.	116:000.	116:000.	116:000.	116:000.	116:000.
KN.	16:176.	16:225.	17:936.	39:853.	39:951.	43:711.	39:853.	39:951.	43:711.
LO.	4:926.	8:051.	11:441.	24:853.	29:053.	34:711.	24:853.	29:053.	34:711.
LQ.	15:750.	11:443.	9:093.	21:000.	15:257.	12:124.	21:000.	15:257.	12:124.
Qa, SZ.	60:426.	67:858.	73:598.	138:853.	148:796.	157:587.	138:853.	148:796.	157:587.
kk il.	62:354.	52:380.	46:916.	67:550.	56:745.	50:826.	67:550.	56:745.	50:826.
ll nn, dd ff.	164:040.	139:807.	127:266.	294:676.	255:089.	234:998.	294:676.	255:089.	234:998.
ffgg, gg hh.	4:739.	6:186.	7:161.	5:134.	6:701.	7:577.	5:134.	6:701.	7:577.
x a a.	163:978.	142:659.	131:114.	295:009.	257:940.	239:412.	295:009.	257:940.	239:412.
bo.	111:166.	99:798.	94:672.	221:992.	200:026.	189:747.	221:992.	200:026.	189:747.
om.	14:820.	25:598.	30:432.	26:173.	48:715.	56:848.	26:173.	48:715.	56:848.
eg.	11:302.	11:120.	11:035.	24:069.	23:827.	23:673.	24:069.	23:827.	23:673.
go.	42:180.	31:402.	26:568.	89:827.	67:285.	57:152.	89:827.	67:285.	57:152.
TV, WX, Y mm.	4:500.	4:500.	4:500.	6:000.	6:000.	6:000.	6:000.	6:000.	6:000.

CASTELLA. || DODRANTALIA || REGIA.

	Quadrant.	Quinqu.	Sexangul.	Quadrant.	Quinqu.	Sexang.
H.L.	90:000.	79:448.	71:921.	108:000.	91:338.	88:705.
H.Q.	18:000.	15:890.	14:784.	36:000.	31:779.	29:568.
Q.b.	30:000.	26:483.	24:640.	36:000.	31:779.	29:568.
b.l.	6:000.	5:297.	4:918.	8:000.	7:062.	6:511.
ly.	110:000.	105:931.	98:561.	168:000.	148:504.	137:985.
yec.	18:000.	15:890.	14:784.	36:000.	31:779.	29:568.
ce ll.	162:000.	143:007.	133:057.	174:000.	153:600.	142:913.
C.K.	56:721.	55:104.	54:121.	68:065.	66:125.	64:945.
C.T.	11:344.	11:021.	10:824.	22:688.	22:042.	21:648.
T.e.	18:907.	18:368.	18:040.	22:688.	22:042.	21:648.
eo.	3:781.	3:674.	3:608.	5:042.	4:898.	4:811.
A.qq.	45:000.	45:000.	45:000.	54:000.	54:000.	54:000.
I pp. pp qq. rr qq. rr B.	18:639.	18:639.	18:639.	22:367.	22:367.	22:367.
A.Y.	12:718.	12:728.	12:728.	25:456.	25:456.	25:456.
Y.h.	21:213.	21:213.	21:213.	25:456.	25:456.	25:456.
h.q.	4:243.	4:243.	4:243.	5:657.	5:657.	5:657.
q.e. r.f.	10:000.	25:000.	32:500.	10:000.	30:000.	40:000.
dd kk.	60:000.	60:000.	60:000.	84:000.	84:000.	84:000.
kk oo.	9:000.	9:000.	9:000.	18:000.	18:000.	18:000.
bb dd x.f.	81:000.	81:000.	81:000.	87:000.	87:000.	87:000.
hh kk, cc dd.	37:924.	66:213.	78:194.	37:073.	77:498.	94:625.
nn oo, ii kk.	36:739.	64:667.	76:404.	34:703.	74:405.	91:045.
H.N.	26:075.	50:749.	60:292.	23:249.	59:456.	73:740.
	77:942.	65:475.	58:645.	93:531.	78:571.	70:374.
N.O. I.K.	67:528.	82:722.	91:127.	105:303.	123:266.	133:544.
O.C. CP.	34:530.	31:803.	30:068.	41:436.	38:163.	36:082.
PA, KL.	10:470.	28:197.	37:432.	18:564.	41:837.	53:918.
AM, BL.	180:000.	180:000.	180:000.	240:000.	240:000.	240:000.
b.c.	25:981.	21:825.	19:548.	31:177.	26:190.	23:458.
cd, Q. I.	202:494.	199:456.	197:743.	284:989.	278:911.	275:485.
d.e. ef.	11:510.	10:601.	10:023.	13:812.	12:721.	12:027.
T.X. fh.	27:906.	42:361.	49:514.	37:812.	56:721.	66:027.
XY, YZ.	15:000.	15:000.	15:000.	18:000.	18:000.	18:000.
hk, Za.	156:000.	156:000.	156:000.	204:000.	204:000.	204:000.
ll mm.	140:296.	117:856.	105:562.	150:888.	126:586.	113:381.
mm nn, ee gg.	458:204.	394:120.	361:366.	648:987.	557:048.	510:164.
gg hh, hh ii.	10:664.	13:918.	16:112.	11:454.	14:949.	17:305.
y bb.	45:465.	396:489.	367:539.	631:634.	548:900.	507:591.
lw.	358:441.	319:498.	301:280.	497:201.	441:113.	414:828.
wf.	45:823.	76:523.	90:129.	48:132.	91:932.	111:333.
ot.	28:718.	27:082.	26:042.	40:693.	38:269.	36:727.
tw.	107:177.	76:477.	62:871.	151:868.	108:068.	88:667.
t.f.	153:000.	153:000.	153:000.	200:000.	200:000.	200:000.
L ff.	7:794.	6:548.	5:865.	10:392.	8:730.	7:819.
K ff.	3:453.	3:180.	3:007.	4:604.	4:240.	4:009.
ffuu, rr xx, bbb eee, aaa ddd, D ccc.	9:000.	9:000.	9:000.	12:000.	12:000.	12:000.
ffte, uu xx, zz yy.	4:500.	4:500.	4:500.	6:000.	6:000.	6:000.
D aaa, ccc ddd.	40:000.	40:000.	40:000.	60:000.	60:000.	60:000.
aaa bbb, ddd eee.	50:000.	50:000.	50:000.	90:000.	90:000.	90:000.

MVNIMENTA ACVTANGVLA.

	Sexangul.	Septang.	Octangul.	Nonang.	Decangul.	Vndecang.
H L.	133:017.	126:919.	122:849.	119:895.	117:672.	115:939.
H Q.	44:312.	42:320.	40:910.	39:965.	39:224.	38:646.
Q b.	44:312.	42:320.	40:910.	39:965.	39:224.	38:646.
b l.	9:816.	9:404.	9:100.	8:881.	8:716.	8:588.
l y.	206:978.	197:492.	191:098.	186:504.	183:045.	180:350.
y ee.	44:312.	42:320.	40:910.	39:965.	39:224.	38:646.
cell.	142:913.	136:364.	131:949.	128:777.	126:388.	124:127.
C K.	97:418.	96:332.	95:384.	94:747.	94:211.	93:855.
C T.	32:473.	32:077.	31:795.	31:582.	31:417.	31:285.
T e.	32:473.	32:077.	31:795.	31:582.	31:417.	31:285.
co.	7:216.	7:128.	7:065.	7:018.	6:982.	6:952.
A q.	81:000.	81:000.	81:000.	81:000.	81:000.	81:000.
I p p.	33:551.	33:551.	33:551.	33:551.	33:551.	33:551.
A Y.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
Y h.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
h q.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.
q t.	25:000.	25:000.	25:000.	25:000.	25:000.	25:000.
f d d.	126:000.	126:000.	126:000.	126:000.	126:000.	126:000.
dd kk.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.
kk oo.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.
bb dd, x f.	46:078.	57:681.	64:823.	69:622.	73:047.	75:604.
hh kk, cc dd.	40:707.	51:783.	58:128.	63:015.	66:190.	68:541.
nn oo, ii kk.	23:402.	32:780.	38:242.	41:726.	44:095.	45:784.
H N.	105:562.	97:764.	92:363.	88:396.	85:357.	82:951.
N O, I K.	80:315.	90:278.	97:268.	102:452.	106:453.	109:639.
O C, C P.	54:123.	51:918.	50:369.	49:152.	48:190.	47:410.
P A, K L.	35:877.	48:048.	59:631.	70:848.	71:810.	72:590.
A M, B D.	24:000.	24:000.	24:000.	24:000.	24:000.	24:000.
b e.	35:187.	32:588.	30:788.	29:465.	28:451.	27:650.
C d, Q T.	293:228.	289:907.	287:578.	285:849.	284:511.	283:453.
d e, e f.	18:041.	17:319.	16:790.	16:584.	16:063.	15:803.
T X, f h.	54:041.	63:319.	72:790.	82:384.	82:063.	81:803.
X Y, Y Z.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.
h k, Z a.	186:000.	186:000.	186:000.	186:000.	186:000.	186:000.
l m m.	113:381.	105:006.	99:204.	94:944.	91:679.	89:096.
m n n, e e g g.	62:768.	58:744.	55:896.	53:808.	52:487.	51:240.
g g h h, h h i i.	17:305.	19:003.	20:286.	21:289.	22:095.	22:717.
y b b.	61:5257.	579:755.	555:689.	538:239.	524:987.	514:570.
l w.	476:113.	455:200.	441:393.	431:566.	424:211.	418:494.
w f.	71:141.	85:203.	94:202.	100:454.	105:047.	108:565.
o t.	45:091.	43:487.	42:311.	41:409.	40:696.	40:118.
e w.	108:859.	94:797.	85:798.	79:546.	74:953.	71:437.
t f, q t.	180:000.	180:000.	180:000.	180:000.	180:000.	180:000.
L f.	11:729.	10:863.	10:263.	9:822.	9:484.	9:217.
K l.	6:014.	5:773.	5:597.	5:461.	5:354.	5:268.
f f u u, t t x x, b b b c c c, a a a d d d, D c c c.	18:000.	18:000.	18:000.	18:000.	18:000.	18:000.
f f t t, u u x x, z z y y.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.
D a a a, c c c d d d.	60:000.	60:000.	60:000.	60:000.	60:000.	60:000.
a a a b b b, d d d c c c.	100:000.	100:000.	100:000.	100:000.	100:000.	100:000.



MVNIMENTA RECTANGVLA.

	Duodecan.	Tredcan.	Quatuord.	Quindec.	Sedecan.	Septendec.
HL.	114:551.	114:551.	114:551.	114:551.	114:551.	114:551.
H Q.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
Qo.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
bl.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.
ly.	178:190.	178:190.	178:190.	178:190.	178:190.	178:190.
ye.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
ce ll.	123:036.	123:036.	123:036.	123:036.	123:036.	123:036.
C K.	93:131.	92:994.	92:994.	92:994.	92:994.	92:994.
C T. o	31:177.	30:998.	30:849.	30:723.	30:615.	30:511.
T e.	31:177.	30:998.	30:849.	30:723.	30:615.	30:511.
eo.	6:928.	6:888.	6:855.	6:827.	6:803.	6:783.
A q.	81:000.	81:000.	81:000.	81:000.	81:000.	81:000.
I pp, pp qq, qq rr, rr B.	33:551.	33:551.	33:551.	33:551.	33:551.	33:551.
A Y.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
Y h.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
h g.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.
q t, r f.	55:000.	55:000.	55:000.	55:000.	55:000.	55:000.
f dd.	126:000.	126:000.	126:000.	126:000.	126:000.	126:000.
ddkk.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.
kkoo.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.
bb dd, x f.	77:580.	80:626.	82:959.	84:813.	86:197.	87:114.
hh kk, cc dd.	70:345.	73:099.	75:191.	76:815.	78:107.	79:153.
nn oo, ii kk.	47:033.	48:846.	50:127.	51:045.	51:716.	52:213.
NO.	81:000.	81:000.	81:000.	81:000.	81:000.	81:000.
N O, L K.	112:235.	113:316.	114:233.	115:020.	115:705.	116:304.
O C, C P.	46:765.	47:684.	48:767.	49:980.	51:295.	52:696.
P A, K L.	73:235.	74:316.	75:233.	76:010.	76:705.	77:304.
A M, B D.	240:000.	240:000.	240:000.	240:000.	240:000.	240:000.
b c.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.
cd, Q T.	282:588.	282:228.	281:922.	281:660.	281:432.	281:232.
de, e f.	15:588.	15:228.	14:922.	14:660.	14:432.	14:232.
T X, f h.	81:588.	81:228.	80:922.	80:660.	80:432.	80:232.
X Y, Y Z.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.
h k, Z a.	186:000.	186:000.	186:000.	186:000.	186:000.	186:000.
ll mm.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.
mm nn, e e g.	501:611.	494:012.	487:744.	482:484.	477:994.	474:120.
gg hh, hh ii.	23:312.	24:253.	25:064.	25:770.	26:391.	26:940.
y bb.	505:158.	498:792.	491:586.	489:352.	485:175.	482:421.
lw.	413:920.	408:917.	404:885.	401:574.	398:797.	396:438.
w f.	111:344.	115:751.	119:268.	122:135.	124:519.	126:531.
o t.	39:640.	38:160.	37:578.	37:578.	37:071.	36:627.
rw.	68:658.	64:349.	60:732.	57:865.	55:481.	53:469.
tf, q f.	180:000.	180:000.	180:000.	180:000.	180:000.	180:000.
L ff.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.
K ff.	5:196.	5:076.	4:974.	4:887.	4:811.	4:744.
ff uu, rr xx, bbb eee, aaa ddd, D ccc.	18:000.	18:000.	18:000.	18:000.	18:000.	18:000.
ff tt, uu xx, zz yy.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.
D aaa, ccc ddd.	60:000.	60:000.	60:000.	60:000.	60:000.	60:000.
aaa bbb, ddd eee.	100:000.	100:000.	100:000.	100:000.	100:000.	100:000.

MVNIMENTA RECTANGVLA.

	Oblodeang. Vig. quad.		Trigintan.		Trig. sexa.		Quad. oct.		Sexagint.	
H.L.	114:551.	114:551.	114:551.	114:551.	114:551.	114:551.	114:551.	114:551.	114:551.	114:551.
H.Q.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
Q.b.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
bl.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.
ly.	178:190.	178:190.	178:190.	178:190.	178:190.	178:190.	178:190.	178:190.	178:190.	178:190.
ye.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
cell.	123:036.	123:036.	123:036.	123:036.	123:036.	123:036.	123:036.	123:036.	123:036.	123:036.
C.K.	91:118.	90:314.	89:742.	89:742.	89:742.	89:742.	89:742.	89:742.	89:742.	89:742.
C.T.	30:439.	30:105.	29:914.	29:914.	29:914.	29:914.	29:914.	29:914.	29:914.	29:914.
Te.	30:439.	30:105.	29:914.	29:914.	29:914.	29:914.	29:914.	29:914.	29:914.	29:914.
co.	6:764.	6:590.	6:648.	6:648.	6:648.	6:648.	6:648.	6:648.	6:648.	6:648.
A.qd.	8:1000.	8:1000.	8:1000.	8:1000.	8:1000.	8:1000.	8:1000.	8:1000.	8:1000.	8:1000.
Ipp, pp qq, qq, rr, B.	33:551.	33:551.	33:551.	33:551.	33:551.	33:551.	33:551.	33:551.	33:551.	33:551.
A.Y.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
Y.h.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.	38:184.
h.q.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.	8:485.
qr, rf.	55:000.	55:000.	55:000.	55:000.	55:000.	55:000.	55:000.	55:000.	55:000.	55:000.
fdi.	126:000.	126:000.	126:000.	126:000.	126:000.	126:000.	126:000.	126:000.	126:000.	126:000.
dd kk.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.
kk oo.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.
bb dd, x f.	88:517.	92:152.	93:866.	93:866.	94:838.	94:838.	95:877.	96:413.	96:049.	96:049.
hh kk, cc dd.	80:004.	82:987.	84:305.	84:305.	85:011.	85:011.	85:715.	86:049.	86:049.	86:049.
nn oo, ii kk.	52:573.	53:455.	53:497.	53:497.	53:346.	53:346.	52:971.	52:971.	52:971.	52:971.
H.N.	81:000.	81:000.	81:000.	81:000.	81:000.	81:000.	81:000.	81:000.	81:000.	81:000.
N.O, L.K.	116:834.	119:055.	120:365.	120:365.	121:229.	121:229.	122:300.	122:300.	122:300.	122:300.
O.C, P.	42:166.	39:945.	38:635.	38:635.	37:771.	37:771.	36:064.	36:064.	36:064.	36:064.
P.A, K.I.	77:834.	80:055.	81:365.	81:365.	82:229.	82:229.	83:300.	83:300.	83:300.	83:300.
A.M, B.D.	240:000.	240:000.	240:000.	240:000.	240:000.	240:000.	240:000.	240:000.	240:000.	240:000.
b.c.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.
cd, Q.T.	281:055.	280:315.	279:878.	279:878.	279:590.	279:590.	279:133.	279:133.	279:021.	279:021.
de, ef.	14:055.	13:315.	12:878.	12:878.	12:590.	12:590.	12:333.	12:333.	12:021.	12:021.
T.X, fh.	80:055.	79:315.	78:878.	78:878.	78:590.	78:590.	78:233.	78:233.	78:021.	78:021.
X.Y, Y.Z.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.	27:000.
hk, Za.	186:000.	186:000.	186:000.	186:000.	186:000.	186:000.	186:000.	186:000.	186:000.	186:000.
ll mm.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.	87:000.
mm nn, ee gg.	470:742.	456:940.	449:050.	449:050.	445:931.	445:931.	443:669.	443:669.	443:381.	443:381.
gg hh, hh ii.	27:431.	29:132.	30:808.	30:808.	31:665.	31:665.	32:744.	32:744.	33:396.	33:396.
y bb.	479:686.	468:637.	462:419.	462:419.	458:433.	458:433.	453:575.	453:575.	450:741.	450:741.
lw.	394:414.	386:408.	382:038.	382:038.	379:283.	379:283.	375:998.	375:998.	374:107.	374:107.
wf.	128:245.	134:923.	138:485.	138:485.	140:698.	140:698.	143:300.	143:300.	144:779.	144:779.
ot.	36:239.	34:189.	33:618.	33:618.	32:978.	32:978.	32:185.	32:185.	32:713.	32:713.
tw.	51:755.	45:077.	41:515.	41:515.	39:302.	39:302.	36:700.	36:700.	35:221.	35:221.
rf, q.r.	180:000.	180:000.	180:000.	180:000.	180:000.	180:000.	180:000.	180:000.	180:000.	180:000.
L ff.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.
K ff.	4:685.	4:438.	4:293.	4:293.	4:197.	4:197.	4:078.	4:078.	4:007.	4:007.
ff uu, rr xx, bbb eee, aaa ddd, D ccc.	18:000.	18:000.	18:000.	18:000.	18:000.	18:000.	18:000.	18:000.	18:000.	18:000.
ff rr, uu xx, zz yy.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.	9:000.
D aaa, ccc ddd.	60:000.	60:000.	60:000.	60:000.	60:000.	60:000.	60:000.	60:000.	60:000.	60:000.
aaa bbb, ddd e ee.	100:000.	100:000.	100:000.	100:000.	100:000.	100:000.	100:000.	100:000.	100:000.	100:000.

PROP VGNACVLA PLANA.

	Primus Modus.	Secundus modus.	Tertius modus.
HL.	114: 551.	114: 551.	114: 551.
H Q.	38: 184.	38: 184.	38: 184.
Qb.	38: 184.	38: 184.	38: 184.
bl.	8: 485.	8: 485.	8: 485.
ly.	178: 190.	178: 190.	178: 190.
y ca.	38: 184.	38: 184.	38: 184.
ce ll.	123: 036.	123: 036.	123: 036.
CK.	87: 674.	87: 674.	87: 674.
CT.	29: 225.	29: 225.	29: 225.
Te.	29: 225.	29: 225.	29: 225.
eo.	6: 494.	6: 494.	6: 494.
A qq.	81: 000.	81: 000.	81: 000.
I pp, pp qq, rr qq, rr B.	33: 551.	33: 551.	33: 551.
AY.	38: 184.	38: 184.	38: 184.
Y h.	38: 184.	38: 184.	38: 184.
h q.	8: 485.	8: 485.	8: 485.
qt, r f.	25: 000.	45: 000.	55: 000.
fdd.	126: 000.	126: 000.	126: 000.
dd kk.	27: 000.	27: 000.	27: 000.
kk oo.	87: 000.	87: 000.	87: 000.
bb dd, x f.	97: 957.	97: 957.	97: 957.
hh kk, cc dd.	86: 773.	86: 773.	86: 773.
nn oo, ii kk.	50: 737.	50: 737.	50: 737.
HN.	81: 000.	81: 000.	81: 000.
NO, L K.	125: 449.	125: 449.	125: 449.
OC, CP.	33: 551.	33: 551.	33: 551.
PA, K L.	76: 449.	86: 449.	86: 449.
AM, B D.	240: 000.	240: 000.	240: 000.
bc.	27: 000.	27: 000.	27: 000.
cd, Q T.	278: 184.	278: 184.	278: 184.
de, ef.	11: 184.	11: 184.	11: 184.
T X, f h.	47: 184.	67: 184.	104: 184.
XY, Y Z.	27: 000.	27: 000.	27: 000.
h k, Z a.	186: 000.	186: 000.	186: 000.
ll, mm.	87: 000.	87: 000.	87: 000.
mm nn, ee gg.	419: 661.	419: 661.	419: 661.
gg hh, hh ii.	36: 036.	36: 036.	36: 036.
y bb.	439: 881.	439: 881.	439: 881.
l w.	367: 071.	367: 071.	367: 071.
w f.	150: 147.	150: 147.	150: 147.
ot.	29: 853.	29: 853.	29: 853.
t w.	29: 853.	29: 853.	29: 853.
t f, q r.	180: 000.	180: 000.	180: 000.
L ff.	9: 000.	9: 000.	9: 000.
K ff.	3: 728.	3: 728.	3: 728.
ff un, tt xx, bbb eee, aaa ddd, D ccc.	18: 000.	18: 000.	18: 000.
ff tt, un xx, zz yy.	9: 000.	9: 000.	9: 000.
D aaa, ccc ddd.	60: 000.	60: 000.	60: 000.
aaa bbb, ddd eee.	100: 000.	100: 000.	100: 000.

TRES LORICÆ HORIZONTALIS. Fig. N° 93.

Solidum Triangulare exterius.				Solidum Triangulare interius.			
[In Dextris.]		[In Sinist. reg.]		[In Dextris.]		[In Sinist. reg.]	
1. Pyra. jac. Aa.	312,500.	312,500.	1. Pyr. erect. Aa.	15,625.	15,625.	In Minim.	
2. Prif. erect. Bb.	6,750,000.	6,750,000.	2. Prif. jac. Ak.	2,765,625.	3,328,125.	15,625.	5,015,625.
3. Parallelep. Bb.	1,125,000.	1,125,000.	3. Parallelep. Bb.	6,750,000.	6,750,000.	6,750,000.	6,750,000.
4. Prif. erect. Cc.	421,875.	421,875.	4. Parallelep. Bb.	52,875,000.	66,375,000.	106,875,000.	106,875,000.
5. Parallelep. Cc.	3,656,250.	3,656,250.	5. Prif. erect. Cc.	421,875.	421,875.	421,875.	421,875.
6. Pyra. jac. Dc.	843,750.	843,750.	6. Parallelep. Cc.	12,375,000.	15,750,000.	25,875,000.	25,875,000.
7. Prif. jac. Dc.	5,484,375.	5,484,375.	7. Pyr. ere. Dc.	421,875.	421,875.	421,875.	421,875.
8. Prif. erect. Dd.	173,265,625.	173,265,625.	8. Prif. jac. Dd.	18,562,500.	23,625,000.	38,812,500.	38,812,500.
9. Parallelep. Dd.	157,500,000.	157,500,000.	9. Prif. erect. Dd.	173,265,625.	13,106,400,625.	968,755,625.	968,755,625.
10. Pyr. erect. Fd.	19,140,625.	34,515,625.	10. Parallelep. Dd.	88,593,750.	118,968,750.	210,093,750.	210,093,750.
11. Prif. jac. Fd.	26,250,000.	35,250,000.	11. Pyr. jac. Fd.	38,281,250.	69,031,250.	215,812,500.	215,812,500.
12. Pyr. erect. Ge.	3,796,875.	3,796,875.	12. Prif. jac. Fd.	14,765,625.	19,828,125.	35,015,625.	35,015,625.
13. Prif. jac. Gi.	64,546,875.	79,734,375.	13. Pyra. jac. Ge.	7,593,750.	7,593,750.	7,593,750.	7,593,750.
Solidū exterius. 1461812,500. 1693750,000. 12659562,500. Solidū interius. 145687,500. 1642750,000. 1620937,500.							

LORICA REDUCTIVVM. Fig. N° 94. | LORICA STELLARVM. Fig. N° 95.

Solidum triangulare exterius.				Solidum triangulare interius.			
[In Dextris.]		[In Sinist. reg.]		[In Dextris.]		[In Sinist. reg.]	
1. Pyr. jac. Aa.	312,500.	1. Pyr. ere. Aa.	15,625.	1. Pyra. jac. Aa.	312,500.	1. Pyr. ere. Aa.	15,625.
2. Prif. erect. Bb.	6,750,000.	2. Prif. jac. Aa.	2,765,625.	2. Prif. erect. Bb.	6,750,000.	2. Prif. jac. Aa.	3,328,125.
3. Parallelep. Bb.	1,125,000.	3. Prif. ere. Bb.	6,750,000.	3. Parallelep. Bb.	1,125,000.	3. Prif. ere. Bb.	6,750,000.
4. Prif. erect. Cc.	46,875.	4. Parallelep. Bb.	52,875,000.	4. Prif. erect. Cc.	46,875.	4. Parallelep. Bb.	66,375,000.
5. Parallelep. Cc.	46,875.	5. Parallelep. Cc.	12,375,000.	5. Parallelep. Cc.	12,375,000.	5. Prif. ere. Cc.	46,875.
6. Pyra. jac. Dc.	843,750.	6. Pyr. ere. Cc.	46,875.	6. Pyr. jac. Dc.	312,500.	6. Parallelep. Cc.	5,437,500.
7. Prif. jac. Dc.	5,484,375.	7. Parallelep. Cc.	4,312,500.	7. Prif. jac. Dc.	609,375.	7. Pyr. ere. Dc.	15,625.
8. Prif. erect. Dd.	173,265,625.	8. Prif. ere. Dc.	15,625.	8. Prif. erect. Dd.	13,500,000.	8. Prif. jac. Dd.	2,718,750.
9. Parallelep. Dd.	157,500,000.	9. Prif. jac. Dd.	2,156,250.	9. Parallelep. Dd.	31,500,000.	9. Prif. ere. Dd.	13,500,000.
10. Pyr. erect. Fd.	19,140,625.	10. Prif. erect. Fd.	17,437,500.	10. Prif. erect. Fd.	93,750.	10. Parallelep. Dd.	103,500,000.
11. Prif. jac. Fd.	26,250,000.	11. Pyr. ere. Fd.	13,500,000.	11. Parallelep. Fd.	4,875,000.	11. Prif. erect. Fd.	93,750.
12. Pyr. erect. Ge.	3,796,875.	12. Parallelep. Fd.	76,500,000.	12. Pyr. jac. Ge.	312,500.	12. Parallelep. Fd.	8,437,500.
13. Prif. jac. Gi.	64,546,875.	13. Prif. ere. Fd.	843,750.	13. Prif. jac. Gg.	1,218,750.	13. Pyr. ere. Gg.	15,625.
14. Pyr. erect. Hf.	157,500,000.	14. Parallelep. Fd.	17,437,500.	14. Prif. erect. Hf.	20,250,000.	14. Prif. jac. Gg.	2,109,375.
15. Prif. jac. Hf.	157,500,000.	15. Parallelep. Hf.	17,437,500.	15. Prif. ere. Hf.	91,125,000.	15. Pyr. ere. Hf.	20,250,000.
16. Pyr. erect. If.	5,640,625.	16. Parallelep. Hf.	85,500,000.	16. Prif. erect. If.	1,265,625.	16. Parallelep. Hf.	111,375,000.
17. Prif. jac. Im.	25,828,125.	17. Pyr. ere. Ge.	421,875.	17. Parallelep. If.	32,906,250.	17. Prif. ere. If.	1,265,625.
18. Pyr. erect. Kg.	9,000,000.	18. Prif. jac. Gg.	13,078,125.	18. Pyr. jac. Kg.	843,750.	18. Parallelep. If.	2,531,250.
19. Prif. jac. Kn.	108,000,000.	19. Pyr. ere. Hf.	67,687,500.	19. Prif. jac. Kp.	16,453,125.	19. Pyr. ere. Kg.	421,875.
Solidū exterius. 1504,875,000. Solidū interius. 1383,875,000. Solidum exter. 1822,937,500. Solidum inter. 1594,562,500.							



VALLVM CASTELLORVM CVM DIMIDIATIS PROPVGNCVLIS. Fig. N° 96.

Solidum Triangulare exterius.		Solidum Triangulare interius.	
1. Pyramis jacens Aa.	9:000,000.	1. Pyramis erecta Aa.	4:500,000.
2. Prisma erectum Bb.	165:375,000.	2. Prisma jacens Ad.	47:250,000.
3. Parallelepipedum Bc.	94:500,000.	3. Prisma erectum Bb.	165:375,000.
Solidum triangulare exterius, poster.		Solidum triangulare interius, poster.	
268:875,000.		217:125,000.	
1. Prisma erectum Ce.	93:750.	1. Prisma erectum Ce.	93:750.
2. Pyramis jacens De.	31:250.	2. Parallelepipedum Co.	7:687,500.
3. Prisma erectum Ef.	20:250,000.	3. Pyramis erecta De.	15:625.
4. Parallelepipedum Ek.	3:375,000.	4. Prisma jacens Do.	1:921,875.
5. Prisma erectum Fg.	1:265,625.	5. Prisma erectum Ek.	20:250,000.
6. Parallelepipedum Fl.	10:968,750.	6. Parallelepipedum Ep.	97:875,000.
7. Pyramis jacens Gg.	843:750.	7. Prisma erectum Fg.	1:265,625.
8. Prisma jacens Gl.	5:484,375.	8. Parallelepipedum Fq.	21:937,500.
9. Prisma erectum Hh.	18:000,000.	9. Pyramis erecta Gg.	421,875.
10. Parallelepipedum Hm.	72:000,000.	10. Prisma jacens Gq.	10:968,750.
11. Pyramis erecta Ii.	30:375,000.	11. Prisma erectum Hh.	18:000,000.
12. Prisma jacens Ii.	121:500,000.	12. Parallelepipedum Hr.	81:000,000.
Solidum exterius Anterioris partis.		Solidum interius Anterioris partis.	
284:187,500.		322:187,500.	

VALLVM CASTELLORVM QVADRANTALIVM ET DIMIDIATORVM. Fig. N° 97.

Solidum Triangulare exterius.		Solidum Triangulare interius.	
<i>In Quadrant.</i> <i>In Dimidiatis.</i>		<i>In Quadrant.</i> <i>In Dimidiatis.</i>	
1. Pyramis jacens Aa.	30:375,000.	1. Pyramis erecta Aa.	15:187,500.
2. Prisma erectum Bb.	284:765,625.	2. Prisma jacens Ad.	113:906,250.
3. Parallelepipedum Bc.	227:812,500.	3. Prisma erectum Bb.	284:765,625.
Solidum triang. posterius.		Solidum triang. posterius.	
542:953,125.		413:859,375.	
1. Prisma erectum Ce.	140,625.	1. Prisma erectum Ce.	140,625.
2. Pyramis jacens De.	31:250.	2. Parallelepipedum Co.	12:375,000.
3. Prisma erectum Ef.	27:000,000.	3. Pyramis erecta De.	15,625.
4. Parallelepipedum Ek.	4:500,000.	4. Prisma jacens Do.	2:062,500.
5. Prisma erectum Fg.	1:687,500.	5. Prisma erectum Ek.	27:000,000.
6. Parallelepipedum Fl.	14:625,000.	6. Parallelepipedum Ep.	144:000,000.
7. Pyramis jacens Gg.	843,750.	7. Prisma erectum Fg.	1:687,500.
8. Prisma jacens Gl.	5:484,375.	8. Parallelepipedum Fq.	32:625,000.
9. Prisma erectum Hh.	34:031,250.	9. Pyramis erecta Gg.	421,875.
10. Parallelepipedum Hm.	99:000,000.	10. Prisma jacens Gq.	2:109,375.
11. Pyramis erecta Ih.	3:890,625.	11. Prisma erectum Hh.	18:562,500.
12. Prisma jacens Im.	8:250,000.	12. Parallelepipedum Hr.	173:578,125.
13. Pyramis erecta Ki.	30:375,000.	13. Pyramis jacens Ih.	3:781,250.
14. Prisma jacens Kn.	136:687,500.	14. Prisma jacens Ir.	22:640,625.
Solidum exter. anter. part.		Solid. interius anter. partis.	
364:546,875.		451:781,250.	
823:875,000.		1032:375,000.	

V A L L V M. Fig. N° 98.

Solidum Triangulare exterius.			Solidum Triangulare interius.		
In Dodrantal. In Cast. regis.		In Miniment.	In Dodrantal. In Cast. regis.		In Miniment.
1. Pyramis jacens Aa.	243:000,000.	576:000,000.	1. Pyramis erecta Aa.	111:100,000.	288:000,000.
2. Pyramis erecta Bb.	122:512,500.	1944:000,000.	2. Pyramis erecta Ao.	148:000,000.	3024:000,000.
3. Pyramis erecta Bb.	1336:500,000.	2592:000,000.	3. Pyramis erecta Bb.	122:512,500.	1944:000,000.
4. Pyramis erecta Cc.	281:250.	375,000.	4. Pyramis erecta Bp.	289:750,000.	5184:000,000.
5. Pyramis erecta Cc.	573:750,000.	90:000,000.	5. Pyramis erecta Cc.	281:250.	375,000.
6. Pyramis erecta Cc.	31:250.	312,500.	6. Pyramis erecta Cc.	433:12,500.	712:50,000.
7. Pyramis erecta Cc.	478:12,500.	562:50,000.	7. Pyramis erecta Cc.	15:625.	15:625.
8. Pyramis erecta Cc.	472:50,000.	60:750,000.	8. Pyramis erecta Cc.	3:609,375.	4453:125.
9. Pyramis erecta Cc.	811:125,000.	122:512,500.	9. Pyramis erecta Cc.	472:50,000.	60:750,000.
10. Pyramis erecta Cc.	2:953:125.	3:796,875.	10. Pyramis erecta Cc.	511:875,000.	840:375,000.
11. Pyramis erecta Cc.	226:406,250.	336:656,250.	11. Pyramis erecta Cc.	2:953:125.	3:796,875.
12. Pyramis erecta Cc.	843:750.	843:750.	12. Pyramis erecta Cc.	122:062,500.	202:500,000.
13. Pyramis erecta Cc.	48:515,625.	56:109,375.	13. Pyramis erecta Cc.	421:875.	421:875.
14. Pyramis erecta Cc.	516:796,875.	1159:015,625.	14. Pyramis erecta Cc.	261:156,250.	33:750,000.
15. Pyramis erecta Cc.	3484:687,500.	6591:750,000.	15. Pyramis erecta Cc.	516:796,875.	113:9015,625.
16. Pyramis erecta Cc.	19:140,625.	34:515,625.	16. Pyramis erecta Cc.	797:343,750.	1599:468,750.
17. Pyramis erecta Cc.	193:593,750.	299:625,000.	17. Pyramis erecta Cc.	38:281,250.	59:031,250.
18. Pyramis erecta Cc.	102:515,625.	187:175,875.	18. Pyramis erecta Cc.	44:296,875.	72:703,125.
19. Pyramis erecta Cc.	1742:755,625.	3113:859,375.	19. Pyramis erecta Cc.	205:031,250.	374:343,750.
Solidum exterius.	10063:687,500.	183572:50,000.	Solidum interius.	8060:062,500.	14912:50,000.

ORICÆ VIÆ COOPERTÆ PRO CASTELLIS QADRANT ALIBVS ET DIMIDIATIS. Fig. N° 99.

Solidum Triangulare exterius.			Solidum Triangulare interius.		
Pro Quadrantal. Pro Dimidiatis.		Pro Dimidiatis.	Pro Quadrantal. Pro Dimidiatis.		Pro Dimidiatis.
1. Pyramis jacens Aa.	843:750.	843:750.	1. Pyramis erecta Aa.	421:875.	421:875.
2. Pyramis erecta Bb.	93:1911,875.	1097:296,875.	2. Pyramis erecta Ad.	59:484,375.	64:546,875.
3. Pyramis erecta Bb.	59:484,375.	64:546,875.	3. Pyramis erecta Bb.	186:3843,750.	2194:593,750.
Solidum exterius.	992:250,000.	1162:687,500.	Solidum interius.	1923:750,000.	2259:562,500.
LORICÆ VIÆ COOPERTÆ PRO CASTELLIS DODRANTALIBVS, ET REGIS AC MVNIMENTIS. Fig. N° 100.					
Solidum Triangulare exterius.			Solidum Triangulare interius.		
Pro Dodrantalib. Pro Reg. & Mun.		Pro Reg. & Mun.	Pro Dodrantalib. Pro Reg. & Mun.		Pro Reg. & Mun.
1. Pyramis jacens Aa.	31:250.	312,500.	1. Pyramis erecta Aa.	15:625.	15:625.
2. Pyramis erectum Bb.	6:750,000.	6:750,000.	2. Pyramis erecta Ah.	15:40,625.	16:265,625.
3. Pyramis erectum Bb.	1:125,000.	1:125,000.	3. Pyramis erectum Bb.	6:750,000.	6:750,000.
4. Pyramis erectum Cc.	421:875.	421:875.	4. Pyramis erectum Bi.	349:875,000.	376:875,000.
5. Pyramis erectum Cc.	3:656,250.	3:656,250.	5. Pyramis erectum Cc.	421:875.	421:875.
6. Pyramis erectum Cc.	843:750.	843:750.	6. Pyramis erectum Cc.	86:625,000.	93:375,000.
7. Pyramis erectum Dc.	5:484,375.	5:484,375.	7. Pyramis erectum Dc.	421:875.	421:875.
8. Pyramis erectum Dc.	5929:000,000.	6889:000,000.	8. Pyramis erectum Dc.	129:937,500.	140:062,500.
9. Pyramis erectum Dc.	924:000,000.	996:000,000.	9. Pyramis erectum Dc.	118:8000,000.	13778:000,000.
Solidum exterius.	6871:312,500.	7903:312,500.	Solidum interius.	12447:187,500.	14412:187,500.



	<i>Basis.</i>	<i>Solidum extern.</i>	<i>Basis.</i>	<i>Solidum intern.</i>
Lorica Horizontalis in Dodrantalibus.	15: 000.	461:812, 500.	15: 000.	415: 687, 500.
Lorica Horizontalis in Castellis regis.	18: 000.	693: 750, 000.	18: 000.	642: 750, 000.
Lorica Horizontalis in Munimentis.	27: 000.	1659: 562, 500.	27: 000.	1620: 937, 500.
Lorica Reductuum.	15: 000.	504: 875, 000.	15: 000.	383: 875, 000.
Lorica Stellarum.	18: 000.	822: 937, 500.	18: 000.	594: 562, 500.
Valli Cast. cum dimidiis propugnac. pars post.	13: 500.	268: 875, 000.	13: 500.	217: 125, 000.
Valli Cast. cum dimidiis propug. pars anterior.	10: 500.	284: 187, 500.	10: 500.	312: 187, 500.
Valli Quadrantalibus pars posterior.	15: 750.	542: 953, 125.	15: 750.	413: 859, 375.
Valli Quadrantalibus pars anterior.	11: 250.	364: 546, 875.	11: 250.	451: 781, 250.
Valli Dimidiatorum Castellorum pars poster.	21: 000.	1287: 000, 000.	21: 000.	981: 000, 000.
Valli Dimidiatorum Castellorum pars anter.	15: 000.	823: 875, 000.	15: 000.	1032: 375, 000.
Vallum Dodrantale.	45: 000.	10063: 687, 500.	45: 000.	8060: 062, 500.
Vallum Castellorum Regiorum.	54: 000.	18257: 250, 000.	54: 000.	14912: 250, 000.
Vallum Munimentorum.	81: 000.	59360: 671, 875.	81: 000.	48895: 828, 125.
Lorica via coopertæ in Quadrantalibus.	36: 000.	992: 250, 000.	36: 000.	1923: 750, 000.
Lorica via coopertæ in Dimidiatis.	39: 000.	1162: 687, 500.	39: 000.	2259: 562, 500.
Lorica via coopertæ in Castellis Dodrantal.	81: 000.	6871: 312, 500.	81: 000.	12447: 187, 500.
Lorica via coopertæ in Cast. Reg. & Munim.	87: 000.	7903: 312, 500.	87: 000.	14412: 187, 500.



TABVLA STEREOMETRICA REDVCTVVM. Fig. N° 105.

	Minimus.	Parvus.	Mediocris.	Magnus.
1. Solidum Triangulare exterius.	504:875,000.	504:875,000.	504:875,000.	504:875,000.
2. Solidum Quadrangulare.	533:250,000.	1244:250,000.	1955:250,000.	2666:250,000.
Octava pars Reductus.	1038:125,000.	1749:125,000.	2460:125,000.	3171:125,000.
Tota Soliditas Reductus.	8305:000,000.	13993:000,000.	19681:000,000.	25369:000,000.

TABVLA STEREOMETRICA STELLARVM. Fig. N° 106.

	Quadrangula.	Quinquangula.	Sexangula.
1. Solidum Triangulare externum.	1425:373,469.	1016:236,375.	822:937,500.
2. Solidum quadrangulare.	1621:226,250.	2375:960,000.	2658:915,000.
3. Solidum Triangulare internum.	159:309,719.	159:309,719.	159:309,719.
Dimidii lateris soliditas.	3205:909,438.	3501:506,094.	3641:162,219.
Tota Stellæ soliditas.	25647:275,504.	35015:060,940.	43693:946,628.

TABVLA STEREOMETRICA CASTELLORVM CVM DIMIDIIS
PROPVGNACVLIS. Fig. N° 107.

	Parvum.	Mediocre.	Majus.
1. Solidum Triangulare externum.	492:239,815.	492:239,815.	492:239,815.
2. Solidum quadrangulare.	1266:977,250.	1933:816,500.	2600:655,750.
3. Solidum Triangulare externum.	164:070,917.	164:070,917.	164:070,917.
4. Solidum Triangulare externum.	164:070,917.	164:070,917.	164:070,917.
5. Solidum quadrangulare.	983:598,000.	1316:988,750.	1650:437,250.
6. Solidum triangulare internum.	322:187,500.	322:187,500.	322:187,500.
7. Solidum Triangulare internum.	322:187,500.	322:187,500.	322:187,500.
8. Solidum quadrangulare.	1155:000,000.	1443:750,000.	1732:500,000.
9. Solidum Triangulare externum.	492:239,815.	492:239,815.	492:239,815.
10. Solidum quadrangulare.	5060:057,750.	6615:147,000.	8148:236,250.
11. Solidum quadrangulare.	1296:000,000.	1836:000,000.	2376:000,000.
12. Solidum Triangulare externum.	268:875,000.	268:875,000.	268:875,000.
13. Solidum Triangulare externum.	268:875,000.	268:875,000.	268:875,000.
14. Solidum quadrangulare.	1296:000,000.	1836:000,000.	2376:000,000.
15. Prisma insitens Trapezio.	1881:940,500.	3625:855,500.	5889:429,000.
16. Prisma jacens Scalenum.	54:000,000.	54:000,000.	54:000,000.
Quarta pars Soliditatis.	15488:319,964.	21156:304,214.	27322:004,714.
Tota Soliditas Castell.	61953:279,856.	84625:216,856.	109288:018,856.

TABVLA STEREOMETRICA CASTELLORVM QVADRANTALIVM. Fig. N° 108.

	Quadrangulum.	Quinquangulum.	Sexangulum.
N° 1. Solidum Triangulare exterius.	631:427,592.	530:423,804.	475:077,487.
N° 2. Solidum Quadrangulare.	2313:437,625.	2789:030,000.	2744:488,875.
N° 3. Solidum Triangulare exterius.	279:712,767.	257:645,529.	243:582,121.
N° 4. Solidum Triangulare exterius.	279:712,767.	257:645,529.	243:582,121.
N° 5. Solidum Quadrangulare.	462:078,000.	874:305,562,5.	1087:203,937,5.
N° 6. Solidum Triangulare interius.	451:781,250.	451:781,250.	451:781,250.
N° 7. Solidum Triangulare interius.	451:781,250.	451:781,250.	451:781,250.
N° 8. Solidum Quadrangulare.	4353:750,000.	4353:750,000.	4353:750,000.
N° 9. Prisma cuius Basis est Trapezium.	1507:433,629,5.	2401:047,056,25.	3110:329,507,5.
N° 10. Solidum Triangulare exterium.	542:953,125.	281:784,054.	313:464,937.
N° 11. Solidum Quadrangulare.	3670:879,500.	4122:373,500.	4471:078,500.
N° 12. Prisma erectum Scalenum.	45:562,500.	33:098,625.	26:304,500.
N° 13. Prisma jacens Scalenum.	91:125,000.	91:125,000.	91:125,000.
N° 14. Pyramis Scalena erecta.	30:375,000.	30:375,000.	30:375,000.
Soliditas Valli pro dimidio Propugnaculo.	15112:010,005,5.	16726:166,159,75.	18093:894,736.
Tota Soliditas Castellii, pro vallo.	120896:080,044.	16726:166,159,75.	217126:736,832.
N° 15. Solidum Triangulare exterium.	1718:632,125.	1443:723,750.	1293:122,250.
N° 16. Solidum Quadrangulare.	13287:240,000.	11324:367,000.	10308:546,000.
N° 17. Solidum Triangulare internum.	253:240,312.	330:564,375.	382:665,937.
N° 18. Solidum Triangulare internum.	253:240,312.	330:564,375.	382:665,937.
N° 19. Solidum Quadrangulare.	432:621,000.	1071:387,000.	1304:910,000.
Soliditas lorice viz coopertæ pro dimidio latere.	15944:973,749.	14500:606,500.	13671:910,124.
Tota Soliditas lorice viz coopertæ.	127559:789,992.	145006:065,000.	164062:921,488.
Tota Soliditas Castellii.	24845:870,036.	312267:726,597,5.	381189:618,310.

TABVLA STEREOMETRICA CASTELLORVM DIMIDIATORVM.

	Quadrangulum.	Quinquangulum.	Sexangulum.
N° 1. Solidum Triangulare exterius.	1427:006,1425.	1198:738,125.	1073:673,900.
N° 2. Solidum Quadrangulare.	10210:488,750.	10837:282,500.	11190:188,750.
N° 3. Solidum Triangulare exterius.	621:186,750.	582:259,925.	550:513,275.
N° 4. Solidum Triangulare exterius.	621:186,750.	582:259,925.	550:513,275.
N° 5. Solidum Quadrangulare.	2278:137,500.	3638:126,250.	4328:403,750.
N° 6. Solidum Triangulare interius.	1032:375,000.	1032:375,000.	1032:375,000.
N° 7. Solidum Triangulare interius.	1032:375,000.	1032:375,000.	1032:375,000.
N° 8. Solidum Quadrangulare.	14850:000,000.	14850:000,000.	14850:000,000.
N° 9. Prisma cuius Basis est Trapezium.	12096:241,608.	17413:113,715.	21334:113,432.
N° 10. Solidum Triangulare exterium.	1287:000,000.	955:036,143.	743:028,000.
N° 11. Solidum Quadrangulare.	14996:124,000.	16069:568,000.	17019:396,000.
N° 12. Prisma erectum Scalenum.	108:000,000.	78:462,000.	62:352,000.
N° 13. Prisma jacens Scalenum.	216:000,000.	216:000,000.	216:000,000.
N° 14. Pyramis scalena erecta.	72:000,000.	72:000,000.	72:000,000.
Soliditas valli, pro dimidio Propugnaculo.	60670:121,783.	68538:096,593.	74055:332,382.
Tota Soliditas Castellii, pro vallo.	485360:974,264.	685380:965,930.	888663:988,584.
N° 15. Solidum Triangulare exterium.	2013:834,375.	1691:710,312.	1515:250,125.
N° 16. Solidum Quadrangulare.	25857:819,000.	22384:059,750.	20621:074,500.
N° 17. Solidum Triangulare internum.	297:451,125.	388:239,187.	449:421,187.
N° 18. Solidum Triangulare internum.	297:451,125.	388:239,187.	449:421,187.
N° 19. Solidum Quadrangulare.	1291:592,250.	2978:059,500.	3645:598,250.
Soliditas lorice viz coopertæ pro dimidio latere.	29758:147,875.	2780:307,936.	26680:565,249.
Tota Soliditas lorice viz coopertæ.	238065:183,000.	278303:079,360.	320166:782,988.
Tota Soliditas Castellii.	723426:157,264.	963684:045,290.	1208830:771,572.



TABULA STEREOMETRICA CASTELLORVM DODRANTALIVM Fig. 109.

	Quadrangulum.	Quinquangulum.	Sexangulum.
N ^o 1. Solidum Triangulare externum.	17430:714,025.	14642:665,312.	13115:221,187.
N ^o 2. Solidum Quadrangulare.	27196:912,000.	33316:285,500.	36765:89,250.
N ^o 3. Solidum Triangulare externum.	7722:202,875.	7112:343,412.	6724:332,350.
N ^o 4. Solidum Triangulare externum.	7722:202,875.	7112:343,412.	6724:332,350.
N ^o 5. Solidum Quadrangulare.	4216:792,500.	11556:341,750.	15075:78,000.
N ^o 6. Solidum Triangulare externum.	3338:477,887.	3338:477,887.	3338:477,887.
N ^o 7. Solidum Triangulare externum.	3338:477,887.	3338:477,887.	3338:477,887.
N ^o 8. Solidum Triangulare externum.	3338:477,887.	3338:477,887.	3338:477,887.
N ^o 9. Solidum Triangulare externum.	3338:477,887.	3338:477,887.	3338:477,887.
N ^o 10. Solidum Quadrangulare.	72495:000,000.	72495:000,000.	72495:000,000.
N ^o 11. Prisma erectum scalenum.	1578:8,500.	132:597,000.	118:766,250.
N ^o 12. Prisma jacens scalenum.	182:250,000.	182:250,000.	182:250,000.
N ^o 13. Pyramis scalena erecta.	60:750,000.	60:750,000.	60:750,000.
N ^o 14. Prisma scalenum erectum.	139:846,500.	128:790,000.	121:783,500.
N ^o 15. Prisma scalenum jacens.	364:500,000.	364:500,000.	364:500,000.
N ^o 16. Pyramis scalena erecta.	60:750,000.	60:750,000.	60:750,000.
N ^o 17. Pyramis scalena erecta.	60:750,000.	60:750,000.	60:750,000.
N ^o 18. Parallelepipedum scalenum.	3240:000,000.	3240:000,000.	3240:000,000.
N ^o 19. Prisma jacens scalenum.	2025:000,000.	2025:000,000.	2025:000,000.
Soliditas valli pro dimidio propugnaculo.	156442:450,823.	165644:277,934.	170488:924,435.
Tota Soliditas Castellii pro vallo.	1251435:606,584.	1656442:779,340.	2045867:093,220.
N ^o 20. Solidum Triangulare externum.	799:890,037.	671:937,187.	601:834,050.
N ^o 21. Solidum Quadrangulare.	11845:899,000.	11668:176,000.	11567:965,500.
N ^o 22. Solidum Triangulare externum.	334:364,125.	326:378,287.	308:583,112.
N ^o 23. Solidum Triangulare externum.	354:364,125.	326:378,287.	308:583,112.
N ^o 24. Solidum Quadrangulare.	1632:501,000.	2478:118,500.	2896:569,000.
N ^o 25. Solidum Triangulare internum.	415:687,500.	415:687,500.	415:687,500.
N ^o 26. Solidum Triangulare internum.	415:687,500.	415:687,500.	415:687,500.
N ^o 27. Solidum Quadrangulare.	9126:000,000.	9126:000,000.	9126:000,000.
Soliditas lorice Horizontalis pro dimidio propug.	24944:393,287.	25428:365,261.	25640:909,774.
Soliditas lorice Horizontalis rotius Castellii.	19955:146,296.	25428:365,261.	307690:917,288.
N ^o 28. Solidum Triangulare externum.	11901:452,574.	9997:844,519.	8954:911,977.
N ^o 29. Solidum Quadrangulare.	10928:1674,000.	93997:620,000.	86185:791,000.
N ^o 30. Solidum Triangulare internum.	1638:726,019.	2138:764,884.	2475:914,630.
N ^o 31. Solidum Triangulare internum.	1638:726,019.	2138:764,884.	2475:914,630.
N ^o 32. Solidum Quadrangulare.	6218:887,500.	12103:636,500.	14379:642,000.
Soliditas lorice viz cooperte pro dimidio latere.	130679:446,112.	120376:630,787.	114472:194,237.
Soliditas rotius lorice viz cooperte.	104543:558,896.	120376:630,787.	137366:330,844.
Tota Castellii Soliditas.	2496426:322,776.	3114492:719,820.	3727224:342,522.



TABULA STEREOMETRICA CASTELLORVM REGIORVM.

	Quadrangulum.	Quinquangulum.	Serangulum.
N ^o 1. Solidum Triangulare externum.	31622:571,921.	26564:636,847.	23793:253,917.
N ^o 2. Solidum Quadrangulare.	64516:520,250.	75116:140,500.	81029:402,000.
N ^o 3. Solidum Triangulare externum.	14009:396,500.	12902:804,291.	12199:223,972.
N ^o 4. Solidum Triangulare externum.	14009:396,500.	12902:804,292.	12199:223,972.
N ^o 5. Solidum Quadrangulare.	11402:937,000.	25598:377,250.	33119:131,500.
N ^o 6. Solidum Triangulare internum.	6176:709,181.	6176:709,181.	6176:709,181.
N ^o 7. Solidum Triangulare internum.	6176:709,181.	6176:709,181.	6176:709,181.
N ^o 8. Solidum Triangulare internum.	6176:709,181.	6176:709,181.	6176:709,181.
N ^o 9. Solidum Triangulare internum.	6176:709,181.	6176:709,181.	6176:709,181.
N ^o 10. Solidum quadrangulare.	147420:000,000.	147420:000,000.	147420:000,000.
N ^o 11. Prisma scalenum erectum.	374:112,000.	314:280,000.	281:484,000.
N ^o 12. Prisma jacens scalenum.	432:000,000.	432:000,000.	432:000,000.
N ^o 13. Pyramis erecta scalena.	144:000,000.	144:000,000.	144:000,000.
N ^o 14. Prisma scalenum erectum.	331:488,000.	305:280,000.	288:648,000.
N ^o 15. Prisma jacens scalenum.	864:000,000.	864:000,000.	864:000,000.
N ^o 16. Pyramis erecta scalena.	144:000,000.	144:000,000.	144:000,000.
N ^o 17. Pyramis scalena erecta.	144:000,000.	144:000,000.	144:000,000.
N ^o 18. Parallelepipedum scalenum.	8640:000,000.	8640:000,000.	8640:000,000.
N ^o 19. Prisma jacens scalenum.	6480:000,000.	6480:000,000.	6480:000,000.
Soliditas valli pro dimidio propugnaculo.	325241:53,266.	343379:159,905.	35288:204,085.
Tota Soliditas Castellii pro vallo.	1601930:066,128.	3433791:599,050.	423462:449,020.
N ^o 20. Solidum Triangulare externum.	1201:613,542.	1009:406,250.	904:110,417.
N ^o 21. Solidum Quadrangulare.	21160:433,250.	20709:141,750.	20454:761,250.
N ^o 22. Solidum Triangulare externum.	532:337,500.	490:288,542.	463:540,625.
N ^o 23. Solidum Triangulare externum.	532:337,500.	490:288,542.	463:540,625.
N ^o 24. Solidum Quadrangulare.	2807:541,000.	4211:534,250.	4902:504,750.
N ^o 25. Solidum Triangulare internum.	642:750,000.	642:750,000.	642:750,000.
N ^o 26. Solidum Triangulare internum.	642:750,000.	642:750,000.	642:750,000.
N ^o 27. Solidum Quadrangulare.	15147:000,000.	15147:000,000.	15147:000,000.
Soliditas lorice Horizontalis pro dimidio propugn.	42666:762,792.	43343:159,334.	43620:957,667.
Soliditas totius lorice Horizontalis.	341334:102,336.	433431:593,340.	523451:492,004.
N ^o 28. Solidum Triangulare externum.	13688:900,621.	11499:410,530.	10299:833,040.
N ^o 29. Solidum Quadrangulare.	166465:165,500.	142882:812,000.	130857:066,000.
N ^o 30. Solidum Triangulare internum.	1897:439,030.	2476:411,390.	2866:700,054.
N ^o 31. Solidum Triangulare internum.	1897:439,030.	2476:411,390.	2866:700,054.
N ^o 32. Solidum Quadrangulare.	5963:568,500.	15210:464,000.	18914:310,000.
Soliditas lorice viz coopertæ pro dimidio latere.	189912:312,681.	174585:509,310.	165804:609,148.
Tota Soliditas lorice viz coopertæ.	1519298:501,448.	174585:509,310.	198965:309,776.
Tota Castellii Soliditas.	4462562:669,910.	5613078:285,490.	6747729:250,800.



I TABULA. STEREOMETRICA MVNIMENTORVM ACVTANGVLYORVM.

	Sexangulum.	Septangulum.	Octangulum.
N ^o 1. Solidum Triangulare externum.	77360:879,561.	71646:132,410.	67688:021,437.
N ^o 2. Solidum Quadrangulare.	107340:997,500.	120656:147,000.	130008:682,000.
N ^o 3. Solidum Triangulare externum.	39663:921,530.	38077:306,041.	36912:810,885.
N ^o 4. Solidum Triangulare externum.	39663:921,530.	38077:306,041.	36912:810,885.
N ^o 5. Solidum Quadrangulare.	47949:610,500.	64208:133,000.	79696:831,500.
N ^o 6. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 7. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 8. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 9. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 10. Solidum Quadrangulare.	320760:000,000.	320760:000,000.	320760:000,000.
N ^o 11. Prisma erectum scalenum.	900:049,000.	879:903,000.	831:303,000.
N ^o 12. Prisma jacens scalenum.	1458:000,000.	1458:000,000.	1458:000,000.
N ^o 13. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
N ^o 14. Prisma erectum scalenum.	974:268,000.	935:226,000.	906:714,000.
N ^o 15. Prisma jacens scalenum.	2916:000,000.	2916:000,000.	2916:000,000.
N ^o 16. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
N ^o 17. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
N ^o 18. Parallelepipedum Scalenum.	19440:000,000.	19440:000,000.	19440:000,000.
N ^o 19. Prisma jacens scalenum.	16200:000,000.	16200:000,000.	16200:000,000.
Soliditas valli pro dimidio propugnaculo.	757148:187,145.	776725:093,216.	796201:713,431.
Tota Soliditas valli.	9085778:248,140.	10874151:305,024.	12739217:414,896.
N ^o 20. Solidum Triangulare externum.	3162:778,719.	2003:030,472.	1892:392,972.
N ^o 21. Solidum Quadrangulare.	35627:202,000.	3523:700,500.	34940:727,000.
N ^o 22. Solidum Triangulare externum.	1108:895,076.	1064:517,146.	1032:002,014.
N ^o 23. Solidum Triangulare externum.	1108:895,076.	1064:517,146.	1032:002,014.
N ^o 24. Solidum Quadrangulare.	6565:981,500.	7693:258,500.	8843:985,000.
N ^o 25. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
N ^o 26. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
N ^o 27. Solidum Quadrangulare.	22599:000,000.	22599:000,000.	22599:000,000.
Soliditas lorice Horizontalis pro dimidio propugn.	7244:627,381.	72889:898,764.	73581:984,000.
Soliditas totius Lorice Horizontalis.	868775:528,172.	1020458:582,696.	1177311:744,000.
N ^o 28. Solidum Triangulare externum.	10299:833,040.	9539:025,659.	9011:956,474.
N ^o 29. Solidum Quadrangulare.	161022:492,000.	150678:873,000.	143613:324,000.
N ^o 30. Solidum Triangulare internum.	2866:700,014.	3147:986,196.	3360:324,547.
N ^o 31. Solidum Triangulare internum.	2866:700,014.	3147:986,196.	3360:324,547.
N ^o 32. Solidum Quadrangulare.	6002:613,000.	8408:070,000.	9809:073,000.
Soliditas dimidii lateris lorice viz cooperta.	183058:338,148.	174921:941,051.	169155:402,568.
Tota soliditas lorice viz cooperta.	2396700:057,776.	2448907:174,714.	2706486:441,088.
Tota Soliditas Munimenti.	12151453:834,488.	14543517:062,434.	16623015:199,984.

II TABULA. STEREOMETRICA MVNIMENTORVM ACVTANGVLORVM.

	Nonangulum.	Decangulum.	Vndecangulum.
N ^o 1. Solidum Triangulare externum.	64780:814,111.	62553:689,744.	60790:457,955.
N ^o 2. Solidum Quadrangulare.	136927:098,000.	142274:434,500.	146532:523,500.
N ^o 3. Solidum Triangulare externum.	36020:935,111.	35315:935,527.	34744:314,242.
N ^o 4. Solidum Triangulare externum.	36020:935,111.	35315:935,527.	34744:314,242.
N ^o 5. Solidum Quadrangulare.	94688:312,000.	91974:065,000.	90165:535,000.
N ^o 6. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 7. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 8. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 9. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 10. Solidum Quadrangulare.	320760:000,000.	320760:000,000.	320760:000,000.
N ^o 11. Prisma erectum scalenum.	795:582,000.	768:204,000.	746:577,000.
N ^o 12. Prisma jacens scalenum.	1458:000,000.	1458:000,000.	1458:000,000.
N ^o 13. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
N ^o 14. Prisma erectum scalenum.	884:682,000.	867:348,000.	855:416,000.
N ^o 15. Prisma scalenum jacens.	2916:000,000.	2916:000,000.	2916:000,000.
N ^o 16. Pyramis scalena erecta.	486:000,000.	486:000,000.	486:000,000.
N ^o 17. Pyramis scalena erecta.	486:000,000.	486:000,000.	486:000,000.
N ^o 18. Parallelepipedum scalenum.	19440:000,000.	19440:000,000.	19440:000,000.
N ^o 19. Prisma jacens scalenum.	16200:000,000.	16200:000,000.	16200:000,000.
Soliditas valli pro dimidio propugnaculo.	813362:938,557.	816314:152,022.	818672:677,643.
Tota Soliditas valli.	14640132:886,226.	16526283:040,440.	18010798:908,146.
N ^o 20. Solidum Triangulare externum.	18111074:410.	1748:810,083.	1699:514,931.
N ^o 21. Solidum Quadrangulare.	34730:653,500.	34168:573,500.	34439:539,500.
N ^o 22. Solidum Triangulare externum.	1007:047,111.	987:316,757.	971:335,785.
N ^o 23. Solidum Triangulare externum.	1007:047,111.	987:316,757.	971:335,785.
N ^o 24. Solidum Quadrangulare.	1009:616,000.	9970:654,500.	9939:064,500.
N ^o 25. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
N ^o 26. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
N ^o 27. Solidum Quadrangulare.	21599:000,000.	22599:000,000.	22599:000,000.
Soliditas horize Horizontalis pro dimidio propugnaculo.	74406:333,132.	74103:545,597.	73861:665,101.
Soliditas rotus horize Horizontalis.	1339314:316,376.	1482070:911,940.	1624956:641,022.
N ^o 28. Solidum Triangulare externum.	824:966,690.	8328:365,364.	8093:718,741.
N ^o 29. Solidum Quadrangulare.	138460:752,000.	134530:915,500.	131430:600,000.
N ^o 30. Solidum Triangulare internum.	3526:678,847.	3660:198,653.	3769:863,804.
N ^o 31. Solidum Triangulare internum.	3526:678,847.	3660:198,653.	3769:863,804.
N ^o 32. Solidum Quadrangulare.	10702:719,000.	11310:367,500.	11743:596,000.
Soliditas dimidii lateris horize viz cooperte.	164841:795,384.	161490:045,670.	158807:642,349.
Soliditas horize viz cooperte.	2967152:316,911.	3229800:913,400.	349768:131,678.
Tota Minimentum Soliditas.	18946999:160,114.	21038154:865,780.	23125523:680,846.

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I TABULA STEREOMETRICA MUNIMENTORVM RECTANGVLORVM.

	Duodecangulum.	Tredcangulum.	Quatordcangul.
Nº 1. Solidum Triangulare externum.	59360:671,875.	59360:671,875.	59360:671,875.
Nº 2. Solidum Quadrangulare.	150002:077,500.	151746:834,000.	151672:404,500.
Nº 3. Solidum Triangulare externum.	34271:617,410.	33479:418,938.	32807:397,504.
Nº 4. Solidum Triangulare externum.	34271:617,410.	33479:418,938.	32807:397,504.
Nº 5. Solidum Quadrangulare.	97878:577,500.	99323:334,000.	100548:904,500.
Nº 6. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 7. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 8. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 9. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 10. Solidum Quadrangulare.	320760:000,000.	320760:000,000.	320760:000,000.
Nº 11. Prisma erectum scalenum.	729:000,000.	729:000,000.	729:000,000.
Nº 12. Prisma jacens scalenum.	1458:000,000.	1458:000,000.	1458:000,000.
Nº 13. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
Nº 14. Prisma erectum scalenum.	841:752,000.	822:312,000.	805:788,000.
Nº 15. Prisma jacens scalenum.	2916:000,000.	2916:000,000.	2916:000,000.
Nº 16. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
Nº 17. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
Nº 18. Parallelepipedum scalenum.	19440:000,000.	19440:000,000.	19440:000,000.
Nº 19. Prisma jacens scalenum.	16200:000,000.	16200:000,000.	16200:000,000.
Soliditas Valli pro dimidio Propugnaculo.	820599:873,419.	822185:529,475.	822976:103,607.
Tota Soliditas valli.	19594396:962,056.	12137682:766,350.	13043330:900,996.
Nº 20. Solidum Triangulare externum.	1659:562,500.	1659:562,500.	1659:562,500.
Nº 21. Solidum Quadrangulare.	34334:442,000.	34290:702,000.	34253:523,000.
Nº 22. Solidum Triangulare internum.	918:120,750.	935:993,250.	917:184,875.
Nº 23. Solidum Triangulare internum.	918:120,750.	935:993,250.	917:184,875.
Nº 24. Solidum Quadrangulare.	9922:942,000.	9859:202,000.	9832:023,000.
Nº 25. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
Nº 26. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
Nº 27. Solidum Quadrangulare.	22599:000,000.	22599:000,000.	22599:000,000.
Soliditas lorice Horizontalis pro dimidio propugn.	73674:063,000.	73532:328,000.	73420:353,250.
Soliditas totius lorice Horizontalis.	1768177:512,000.	1911840:528,000.	2055769:891,000.
Nº 28. Solidum Triangulare externum.	7903:312,500.	7903:312,500.	7903:312,500.
Nº 29. Solidum Quadrangulare.	128663:221,500.	126714:078,000.	125106:336,000.
Nº 30. Solidum Triangulare externum.	3861:803,621.	4017:687,166.	4152:035,259.
Nº 31. Solidum Triangulare externum.	3861:803,621.	4017:687,166.	4152:035,259.
Nº 32. Solidum Quadrangulare.	12063:964,500.	12128:999,030.	12857:575,500.
Soliditas dimidii lateris lorice viz cooperta.	156354:105,742.	155181:763,832.	154171:294,518.
Tota Soliditas lorice viz cooperta.	3752498:537,808.	4034725:589,632.	4316796:246,504.
Tota Munimenti soliditas.	25215073:011,864.	127323290:153,982.	129415897:038,500.

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II TABULA STEREOMETRICA MUNIMENTORUM RECTANGULORVM.

	<i>Quindecangulum.</i>	<i>Sedecangulum.</i>	<i>Septendecangulum.</i>
Nº 1. Solidum Triangulare externum.	59360:671,875.	59360:671,875.	59360:671,875.
Nº 2. Solidum Quadrangulare.	153724:230,000.	154639:730,500.	155440:296,000.
Nº 3. Solidum Triangulare externum.	32230:646,285.	31728:645,541.	31289:669,708.
Nº 4. Solidum Triangulare externum.	32230:646,285.	31728:645,541.	31289:669,708.
Nº 5. Solidum Quadrangulare.	101600:750,500.	103516:232,500.	103316:796,000.
Nº 6. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 7. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 8. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 9. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 10. Solidum Quadrangulare.	320760:000,000.	320760:000,000.	320760:000,000.
Nº 11. Prisma erectum scalenum.	729:000,000.	729:000,000.	729:000,000.
Nº 12. Prisma jacens scalenum.	1458:000,000.	1458:000,000.	1458:000,000.
Nº 13. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
Nº 14. Prisma erectum scalenum.	791:694,000.	779:382,000.	768:528,000.
Nº 15. Prisma jacens scalenum.	2916:000,000.	2916:000,000.	2916:000,000.
Nº 16. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
Nº 17. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
Nº 18. Parallelepipedum scalenum.	19440:000,000.	19440:000,000.	19440:000,000.
Nº 19. Prisma jacens scalenum.	16200:000,000.	16200:000,000.	16200:000,000.
Soliditas Valli pro dimidio Propugnaculo.	823912:158,169.	824726:849,681.	825439:171,015.
Tota Soliditas Munimenti pro vallo.	24717364:745,070.	26391259:189,792.	28064931:844,510.
Nº 20. Solidum Triangulare externum.	1659:562,500.	1659:562,500.	1659:562,500.
Nº 21. Solidum Quadrangulare.	34221:690,000.	34193:988,000.	34169:688,000.
Nº 22. Solidum Triangulare externum.	901:080,972.	887:066,889.	874:773,833.
Nº 23. Solidum Triangulare externum.	901:080,972.	887:066,889.	874:773,833.
Nº 24. Solidum Quadrangulare.	9800:190,000.	9772:488,000.	9748:188,000.
Nº 25. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
Nº 26. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
Nº 27. Solidum Quadrangulare.	22599:000,000.	22599:000,000.	22599:000,000.
Soliditas lorice Horizontalis pro dimidio propugn.	7334:479,444.	7324:047,278.	73167:861,166.
Soliditas totius lorice Horizontalis.	2199734:383,320.	2343713:512,896.	2487707:279,644.
Nº 28. Solidum Triangulare externum.	7903:312,500.	7903:312,500.	7903:312,500.
Nº 29. Solidum Quadrangulare.	123757:146,000.	122605:461,000.	121611:780,000.
Nº 30. Solidum Triangulare internum.	4268:989,332.	4371:862,532.	4462:808,405.
Nº 31. Solidum Triangulare internum.	4268:989,332.	4371:862,532.	4462:808,405.
Nº 32. Solidum Quadrangulare.	13093:042,500.	13265:154,000.	13392:1634,500.
Soliditas dimidui lateris lorice viz cooperta.	153291:479,664.	152517:652,564.	151833:343,810.
Tota Soliditas lorice viz cooperta.	4598744:389,920.	4880564:882,048.	5162333:689,540.
Tota Munimenta soliditas.	31515843:518,310.	33615537:584,736.	35714972:783,694.



III TABULA. STEREOMETRICA MVNIMENTORVM RECTANGVLORVM.

	Octodecangulum.	Viginti quadrangul.	Trigintangulum.
Nº 1. Solidum Triangulare externum.	59360:671,875.	59360:671,875.	59360:671,875.
Nº 2. Solidum Quadrangulare.	156148:641,000.	159117:007,500.	160867:822,500.
Nº 3. Solidum Triangulare externum.	30901:260,374.	29273:605,408.	28313:574,789.
Nº 4. Solidum Triangulare externum.	30901:260,374.	29373:605,408.	28313:574,789.
Nº 5. Solidum Quadrangulare.	104025:141,000.	106993:507,500.	108744:322,500.
Nº 6. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 7. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 8. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 9. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 10. Solidum Quadrangulare.	320760:000,000.	320760:000,000.	320760:000,000.
Nº 11. Prisma erectum scalenum.	729:000,000.	729:000,000.	729:000,000.
Nº 12. Prisma jacens scalenum.	1458:000,000.	1458:000,000.	1458:000,000.
Nº 13. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
Nº 14. Prisma erectum scalenum.	758:970,000.	718:956,000.	695:466,000.
Nº 15. Prisma jacens scalenum.	2916:000,000.	2916:000,000.	2916:000,000.
Nº 16. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
Nº 17. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
Nº 18. Parallelepipedum scalenum.	19440:000,000.	19440:000,000.	19440:000,000.
Nº 19. Prisma jacens scalenum.	16200:000,000.	16200:000,000.	16200:000,000.
Soliditas valli pro dimidio propugnaculo.	826069:484,347.	828710:893,415.	830268:972,177.
Nº 20. Solidum Triangulare externum.	1659:562,500.	1659:562,500.	1659:562,500.
Nº 21. Solidum Quadrangulare.	34148:182,500.	34058:272,500.	34005:177,000.
Nº 22. Solidum Triangulare externum.	863:894,479.	818:410,174.	791:549,847.
Nº 23. Solidum Triangulare externum.	863:894,479.	818:410,174.	791:549,847.
Nº 24. Solidum Quadrangulare.	9726:682,500.	9636:772,500.	9583:677,000.
Nº 25. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
Nº 26. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
Nº 27. Solidum Quadrangulare.	22599:000,000.	22599:000,000.	22599:000,000.
Soliditas lorice Horizontalis pro dimidio propugn.	73103:091,458.	72832:302,848.	72672:391,194.
Nº 28. Solidum Triangulare externum.	7903:312,500.	7903:312,500.	7903:312,500.
Nº 29. Solidum Quadrangulare.	120745:323,000.	117205:110,000.	115181:325,000.
Nº 30. Solidum Triangulare internum.	4544:146,153.	4892:192,198.	5103:570,948.
Nº 31. Solidum Triangulare internum.	4544:146,153.	4892:192,198.	5103:570,948.
Nº 32. Solidum Quadrangulare.	13484:974,500.	13711:207,500.	13721:980,500.
Soliditas lorice vix coopertæ pro dimidio propugn.	151221:902,306.	148604:014,396.	147013:759,896.
Tota Soliditas dimidii propugnaculi.	1050394:478,111.	1050147:210,659.	1049955:123,267.



IV TABVLA. STEREOMETRICA MVNIMENTORVM RECTANGVLORVM.

	Triginta sexangulū.	Quadragenta octan.	Sexagintangulum.
Nº 1. Solidum Triangulare externum.	59360:671,875.	59360:671,875.	59360:671,875.
Nº 2. Solidum Quadrangulare.	162022:558,500.	163453:950,000.	164303:964,000.
Nº 3. Solidum Triangulare externum.	27680:394,289.	26895:514,294.	26429:423,093.
Nº 4. Solidum Triangulare externum.	27680:394,289.	26895:514,294.	26429:423,093.
Nº 5. Solidum Quadrangulare.	109899:058,500.	111330:450,000.	112180:464,000.
Nº 6. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 7. Solidum Triangulare internum.	20253:134,931.	10253:134,931.	20253:134,931.
Nº 8. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 9. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
Nº 10. Solidum Quadrangulare.	320760:000,000.	320760:000,000.	320760:000,000.
Nº 11. Prisma erectum scalenum.	729:000,000.	729:000,000.	729:000,000.
Nº 12. Prisma jacens scalenum.	1458:000,000.	1458:000,000.	1458:000,000.
Nº 13. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
Nº 14. Prisma erectum scalenum.	679:914,000.	660:636,000.	649:134,000.
Nº 15. Prisma scalenum jacens.	2916:000,000.	2916:000,000.	2916:000,000.
Nº 16. Pyramis scalena erecta.	486:000,000.	486:000,000.	486:000,000.
Nº 17. Pyramis scalena erecta.	486:000,000.	486:000,000.	486:000,000.
Nº 18. Parallelepipedum scalenum.	19440:000,000.	19440:000,000.	19440:000,000.
Nº 19. Prisma jacens scalenum.	16200:000,000.	16200:000,000.	16200:000,000.
Soliditas valli pro dimidio propugnaculo.	831296:531,177.	832570:276,187.	833326:619,785.
Nº 20. Solidum Triangulare externum.	1659:562,500.	1659:562,500.	1659:562,500.
Nº 21. Solidum Quadrangulare.	33970:185,000.	33926:809,500.	33901:051,500.
Nº 22. Solidum Triangulare externum.	773:847,847.	751:904,744.	738:874,104.
Nº 23. Solidum Triangulare externum.	773:847,847.	751:904,744.	738:874,104.
Nº 24. Solidum Quadrangulare.	9548:685,000.	9505:309,500.	9479:551,500.
Nº 25. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
Nº 26. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
Nº 27. Solidum Quadrangulare.	22599:000,000.	22599:000,000.	22599:000,000.
Soliditas loricæ Horizontalis pro dimidio propug.	72567:002,194.	72436:365,988.	72358:788,708.
Nº 28. Solidum Triangulare externum.	7903:312,500.	7903:312,500.	7903:312,500.
Nº 29. Solidum Quadrangulare.	113868:301,500.	112262:098,500.	111316:126,500.
Nº 30. Solidum Triangulare internum.	5245:539,278.	5424:283,534.	5532:292,112.
Nº 31. Solidum Triangulare internum.	5245:539,278.	5424:283,534.	5532:292,112.
Nº 32. Solidum Quadrangulare.	13683:249,000.	13540:891,500.	13505:494,500.
Soliditas loricæ viæ cooperæ pro dimidio propug.	145945:941,556.	144554:869,568.	143789:517,724.
Tota soliditas dimidii propugnaculi.	1049809:474,927.	1049561:511,743.	1049474:926,217.



TABVLA STEREOMETRICA PROPVGNACVLORVM PLANORVM.

	<i>Primus modus.</i>	<i>Secundus modus.</i>	<i>Tertius modus.</i>
N ^o 1. Solidum Triangulare externum.	59360:671,875.	59360:671,875.	59360:671,875.
N ^o 2. Solidum Quadrangulare.	167662:588,500.	167662:588,500.	167662:588,500.
N ^o 3. Solidum Triangulare externum.	24587:776,569.	24587:776,569.	24587:776,569.
N ^o 4. Solidum Triangulare externum.	24587:776,569.	24587:776,569.	24587:776,569.
N ^o 5. Solidum Quadrangulare.	75444:088,500.	102174:088,500.	115539:088,500.
N ^o 6. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 7. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 8. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 9. Solidum Triangulare internum.	20253:134,931.	20253:134,931.	20253:134,931.
N ^o 10. Solidum quadrangulare.	320760:000,000.	320760:000,000.	320760:000,000.
N ^o 11. Prisma scalenum erectum.	729:000,000.	729:000,000.	729:000,000.
N ^o 12. Prisma jacens scalenum.	1458:000,000.	1458:000,000.	1458:000,000.
N ^o 13. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
N ^o 14. Prisma scalenum erectum.	603:936,000.	603:936,000.	603:936,000.
N ^o 15. Prisma jacens scalenum.	2916:000,000.	2916:000,000.	2916:000,000.
N ^o 16. Pyramis erecta scalena.	486:000,000.	486:000,000.	486:000,000.
N ^o 17. Pyramis scalena erecta.	486:000,000.	486:000,000.	486:000,000.
N ^o 18. Parallelepipedum scalenum.	19440:000,000.	19440:000,000.	19440:000,000.
N ^o 19. Prisma jacens scalenum.	16200:000,000.	16200:000,000.	16200:000,000.
Soliditas valli pro dimidio propugnaculo.	796220:377,737.	822950:377,737.	836315:377,737.
N ^o 20. Solidum Triangulare externum.	1659:562,500.	1659:562,500.	1659:562,500.
N ^o 21. Solidum Quadrangulare.	33799:356,000.	33799:356,000.	33799:356,000.
N ^o 22. Solidum Triangulare externum.	687:427,667.	687:427,667.	687:427,667.
N ^o 23. Solidum Triangulare externum.	687:427,667.	687:427,667.	687:427,667.
N ^o 24. Solidum Quadrangulare.	5732:856,000.	8162:856,000.	9377:856,000.
N ^o 25. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
N ^o 26. Solidum Triangulare internum.	1620:937,500.	1620:937,500.	1620:937,500.
N ^o 27. Solidum Quadrangulare.	22599:000,000.	22599:000,000.	22599:000,000.
Soliditas lorice Horizontalis pro dimidio propugn.	68407:504,834.	70837:504,834.	72052:504,834.
N ^o 28. Solidum Triangulare externum.	7903:312,500.	7903:312,500.	7903:312,500.
N ^o 29. Solidum Quadrangulare.	109643:046,500.	109643:046,500.	109643:046,500.
N ^o 30. Solidum Triangulare internum.	5969:627,457.	5969:627,457.	5969:627,457.
N ^o 31. Solidum Triangulare internum.	5969:627,457.	5969:627,457.	5969:627,457.
N ^o 32. Solidum Quadrangulare.	13014:040,500.	13014:040,500.	13014:040,500.
Soliditas lorice vix coopertæ pro dimidio propugn.	142499:654,414.	142499:654,414.	142499:654,414.
Tota dimidii Propugnaculi soliditas.	1007127:536,985.	1036287:536,985.	1050867:536,985.

LORICÆ HORIZONTALES. Fig. N° II.

Solid. super.	In Dodrantal.	In Reg. Castell.	In Muniment.	Solidum infe.	In Dodrantal.	In Castell. Reg.	In Muniment.
1. Pyrc. ere. Aa.	93:750.	93:750.	93:750.	1. Pyrc. jac. Ab.	187:500.	187:500.	187:500.
2. Prif. jac. Bd.	3:375,000.	3:375,000.	3:375,000.	2. Prif. ere. Ac.	843:750.	843:750.	843:750.
3. Prif. jac. Cg.	843:750.	843:750.	843:750.	3. Prif. jac. Be.	3:375,000.	3:375,000.	3:375,000.
4. Prif. ere. Dh.	2:531,250.	2:531,250.	2:531,250.	4. Parallel. Bf.	20:250,000.	20:250,000.	20:250,000.
5. Pyrc. ere. Di.	2:531,250.	2:531,250.	2:531,250.	5. Prif. jac. Ck.	843:750.	843:750.	843:750.
				6. Parallel. Cm.	5:062,500.	5:062,500.	5:062,500.
				7. Pyrc. jac. Dd.	5:062,500.	5:062,500.	5:062,500.
6. Prif. jac. Ea.	88:593,750.	118:968,750.	210:093,750.	8. Prif. jac. Ee.	88:593,750.	118:968,750.	210:093,750.
7. Prif. ere. Eo.	29:531,250.	39:656,250.	70:031,250.	9. Parallel. Ef.	59:062,500.	79:312,500.	140:062,500.
8. Pyrc. ere. Ep.	3:281,250.	4:406,250.	7:781,250.	10. Pyrc. jac. Ff.	6:562,500.	8:812,500.	15:162,500.
9. Pyrc. ere. Gg.	7:593,750.	7:593,750.	7:593,750.	11. Pyrc. jac. Gg.	15:187,500.	15:187,500.	15:187,500.
Solidum super.	138:375,000.	180:000,000.	304:875,000.	12. Prif. ere. Gw.	7:593,750.	7:593,750.	7:593,750.
				Solidum infer.	212:625,000.	265:500,000.	424:125,000.

VALLVM. Fig. N° II.

Solidum sep.	In Dodrantal.	In Reg. Castell.	In Muniment.	Solid infer.	In Dodrantal.	In Castell. Reg.	In Muniment.
1. Pyrc. ere. Aa.	121:500,000.	188:000,000.	972:000,000.	1. Pyrc. jac. Ab.	243:000,000.	576:000,000.	1944:000,000.
2. Prif. jac. Bd.	668:250,000.	1296:000,000.	4374:000,000.	2. Prif. ere. Ac.	243:000,000.	432:000,000.	972:000,000.
3. Prif. jac. Cg.	10:125,000.	18:000,000.	40:500,000.	3. Prif. jac. Be.	668:250,000.	1296:000,000.	4374:000,000.
4. Prif. ere. Dh.	1:687,500.	2:250,000.	3:375,000.	4. Parallel. Bf.	891:000,000.	1296:000,000.	2916:000,000.
				5. Prif. jac. Ck.	10:125,000.	18:000,000.	40:500,000.
5. Pyrc. ere. Di.	93:750.	93:750.	93:750.	6. Parallel. Cm.	13:500,000.	18:000,000.	27:000,000.
6. Prif. jac. Ea.	165:375,000.	273:375,000.	570:375,000.	7. Pyrc. jac. Dd.	187:500.	187:500.	187:500.
7. Prif. ere. Eo.	41:343,750.	68:343,750.	142:593,750.	8. Prif. ere. Dn.	843:750.	843:750.	843:750.
8. Pyrc. ere. Ep.	17:718,750.	22:781,250.	31:906,250.	9. Prif. jac. Ee.	165:375,000.	273:375,000.	570:375,000.
9. Pyrc. ere. Gg.	2:531,250.	2:531,250.	2:531,250.	10. Parallel. Ef.	141:750,000.	182:250,000.	263:150,000.
				11. Prif. jac. Ff.	41:343,750.	68:343,750.	143:593,750.
				12. Parallel. Fw.	35:437,500.	45:562,500.	65:812,500.
10. Prif. jac. Hy.	797:343,750.	1599:468,750.	5252:343,750.	13. Pyrc. jac. Gx.	5:062,500.	5:062,500.	5:062,500.
11. Prif. ere. Iz.	88:593,750.	145:406,250.	350:156,250.	14. Prif. jac. Hb.	797:343,750.	1599:468,750.	5252:343,750.
12. Pyrc. ere. Iaa.	3:281,250.	4:406,250.	7:781,250.	15. Parallel. Hdd.	177:187,500.	290:812,500.	700:312,500.
13. Pyrc. ere. Kee.	20:031,250.	374:343,750.	949:218,750.	16. Pyrc. jac. Icc.	6:562,500.	8:812,500.	15:162,500.
Solidum super.	2122:875,000.	4095:000,000.	12697:875,000.	17. Pyrc. jac. Kff.	410:062,500.	748:687,500.	1898:437,500.
				18. Prif. ere. Kgg.	68:343,750.	102:093,750.	189:843,750.
				Solid. inferius.	3918:375,000.	6961:500,000.	19378:125,000.

LORICÆ VIÆ COOPER TÆ. Fig. N° II.

Solidum superius.	In Quadrantalib.	In Dimidiatis.	Solidum inferius.	In Quadrantalib.	In Dimidiatis.
1. Pyramis erecta Aa.	2:531,250.	2:531,250.	1. Pyramis jacens Ab.	5:062,500.	5:062,500.
2. Pyramis erecta Bc.	118:968,750.	129:093,750.	2. Pyramis jacens Bd.	237:937,500.	238:187,500.
Solidum superius.	121:500,000.	131:625,000.	Solidum inferius.	243:000,000.	263:125,000.
LORICÆ VIÆ COOPER TÆ. Fig. N° II.					
Solidum superius.	In Dodrantalibus.	In Reg. & Munim.	Solidum inferius.	In Dodrantalibus.	In Reg. & Munim.
1. Pyramis erecta Aa.	93:750.	93:750.	1. Pyramis jacens Ab.	187,500.	187,500.
2. Prisma jacens Bd.	3:375,000.	3:375,000.	2. Prisma erectum Ac.	843,750.	843,750.
3. Prisma jacens Cg.	843,750.	843,750.	3. Prisma jacens Be.	3:375,000.	3:375,000.
			4. Parallelepiped. Bf.	20:250,000.	20:250,000.
			5. Prisma jacens Ck.	843,750.	843,750.
4. Prisma erectum Dh.	2:531,250.	2:531,250.	6. Parallelepiped. Cl.	5:062,500.	5:062,500.
5. Pyramis erecta Di.	2:531,250.	2:531,250.	7. Pyram. jacens Dm.	5:062,500.	5:062,500.
6. Pyramis erecta En.	462:000,000.	498:000,000.	8. Pyramis jacens Eo.	954:000,000.	1031:625,000.
Solidum superius.	471:375,000.	507:375,000.	Solidum inferius.	519:625,000.	519:625,000.



TABVLA GENERALIS SOLIDORVM SVPERIORVM ET INFERIORVM.

	Latitudo.	Basis.	Solidum superius.	Solidum inferius.
Lorica Dodrantis.	6:000 3:000.	15:000 15:000.	138:375,000. 69:187,500.	212:625,000. 106:312,500.
Lorica Castellorum Regior.	6:000. 3:000.	18:000. 18:000.	180:000,000. 90:000,000.	265:500,000. 132:750,000.
Lorica Munimentorum.	6:000. 3:000.	27:000. 27:000.	304:875,000. 152:437,500.	424:125,000. 212:062,500.
Vallum Dodrantale.	15:000. 7:500.	45:000. 45:000.	2122:875,000. 1061:437,500.	3918:375,000. 1959:187,500.
Vallum Castellorum Regior.	18:000. 9:000.	54:000. 54:000.	4095:000,000. 2047:500,000.	6961:500,000. 3480:750,000.
Vallum Munimentorum.	24:000. 12:000.	81:000. 81:000.	12697:875,000. 6348:937,500.	19378:125,000. 9689:062,500.
Lorica via coopertæ Quadr.	4:500 2:250.	36:000. 36:000.	121:500,000. 60:750,000.	243:000,000. 121:500,000.
Lorica via coopertæ Dimid.	4:500. 2:250.	39:000. 39:000.	131:625,000. 65:812,500.	263:250,000. 131:625,000.
Lorica via coopertæ Dodr.	6:000. 3:000.	81:000. 81:000.	471:375,000. 235:687,500.	959:625,000. 479:812,500.
Lorica via coopertæ Regia.	6:000. 3:000.	87:000. 87:000.	507:375,000. 253:687,500.	1031:625,000. 515:812,500.















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